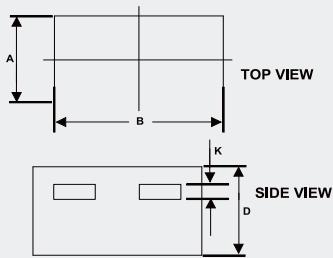
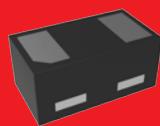


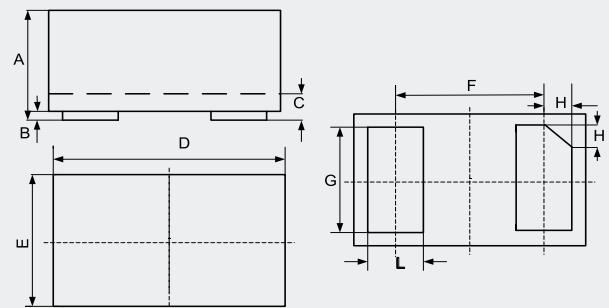
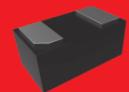
## Package Outline

**0201**



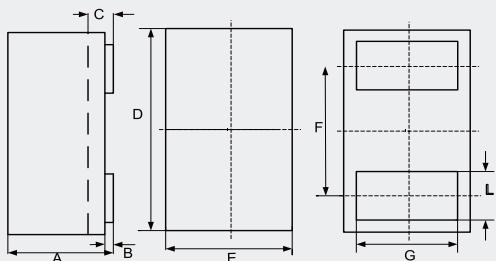
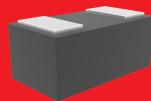
DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	0.011	0.015	0.270	0.370			
B	0.022	0.026	0.570	0.670			
D	0.011	0.013	0.275	0.340			
E	0.005	0.008	0.125	0.195			
G	0.009	0.012	0.225	0.295			
H	0.001		0.030		REF.		
J	0.014	0.017	0.365	0.435			
K	0.002		0.050		REF.		

**0201-A**

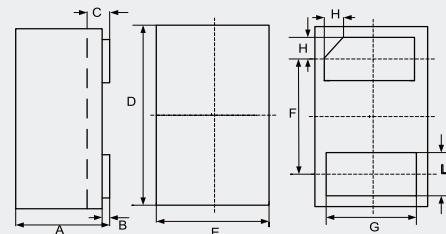


DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	0.009	0.013	0.23	0.33			
B	0.000	0.002	0.00	0.05			
C	0.005	0.007	0.12	0.18			
D	0.022	0.026	0.55	0.65			
E	0.010	0.014	0.25	0.35			
F	0.014		0.355		REF.		
G	0.008	0.011	0.215	0.275			
H	0.003		0.079		REF.		
L	0.006	0.009	0.16	0.22			

**CSP0201**



**CSP1006-2**



DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	0.008	0.013	0.21	0.33			
B	0.000	0.002	0.00	0.05			
C	0.005	0.007	0.12	0.18			
D	0.022	0.026	0.55	0.65			
E	0.010	0.014	0.25	0.35			
F	0.014		0.355		TYP.		
G	0.008	0.011	0.215	0.28			
L	0.006	0.009	0.16	0.22			

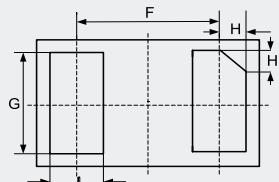
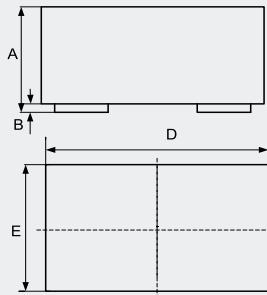
DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	0.018	0.022	0.45	0.55			
B	0.000	0.002	0.00	0.05			
C	0.005	0.007	0.12	0.18			
D	0.037	0.041	0.95	1.05			
E	0.022	0.026	0.55	0.65			
F	0.026		0.650		TYP.		
G	0.018	0.022	0.45	0.55			
H	0.003	0.007	0.07	0.17			
L	0.008	0.012	0.20	0.30			

Package Outline

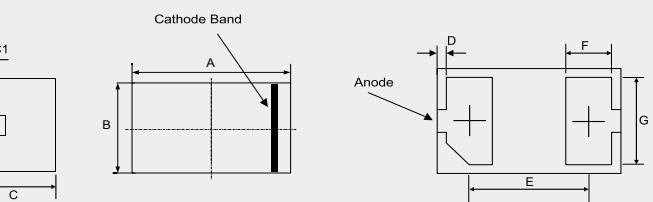
**DFN1006-2**



**DFN1006-2L**

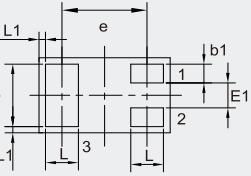
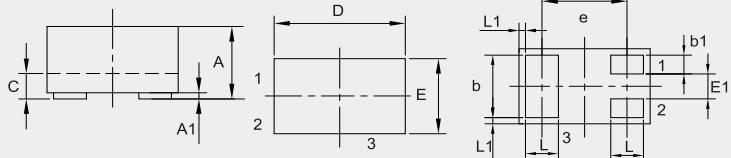
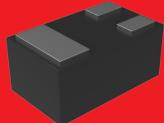


DIM	DIMENSIONS				NOTE	
	INCHES		MM			
	MIN	MAX	MIN	MAX		
A	0.013	0.022	0.34	0.55		
B	0.000	0.002	0.00	0.05		
D	0.037	0.043	0.95	1.08		
E	0.022	0.027	0.55	0.68		
F	0.026		0.650		REF.	
G	0.016	0.024	0.40	0.60		
H	0.003	0.007	0.07	0.17		
L	0.008	0.012	0.20	0.30		



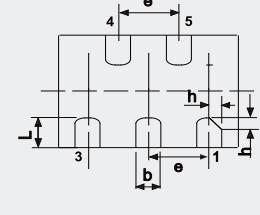
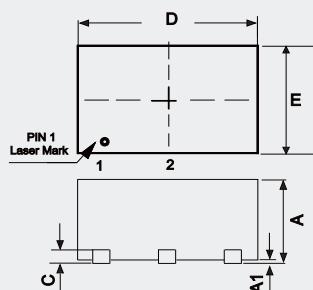
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.037	0.041	0.95	1.05	
B	0.022	0.026	0.55	0.65	
C	0.016	0.020	0.40	0.50	
C1	---	0.002	---	0.05	
D	0.0004	0.004	0.01	0.09	
E	0.026		0.65		TYP.
F	0.008	0.012	0.20	0.30	
G	0.018	0.022	0.45	0.55	

**DFN1006-3**



DIM	DIMENSIONS				NOTE	
	INCHES		MM			
	MIN	MAX	MIN	MAX		
A	0.018	0.022	0.45	0.55		
A1	0.000	0.002	0.00	0.05		
b	0.018	0.022	0.45	0.55		
b1	0.004	0.008	0.10	0.20		
c	0.005	0.007	0.12	0.18		
D	0.037	0.042	0.95	1.075		
E	0.022	0.026	0.55	0.675		
E1	0.006	0.010	0.15	0.25		
e	0.026		0.65		TYP.	
L	0.008	0.012	0.20	0.30		
L1	0.0002		0.05		TYP.	

**DFN1308-5**

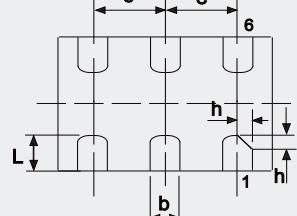
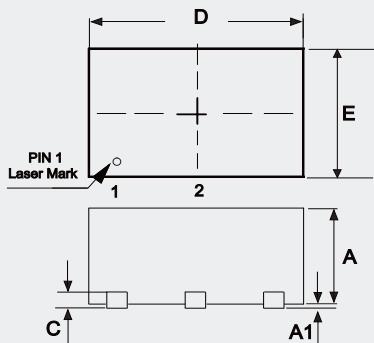


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.015	0.020	0.40	0.50	
A1	0.000	0.002	0.00	0.05	
b	0.006	0.010	0.15	0.25	
C	0.005		0.127		TYP.
D	0.047	0.056	1.20	1.40	
E	0.028	0.036	0.70	0.90	
e	0.020		0.50		TYP.
h	0.004	0.006	0.10	0.15	
L	0.008	0.012	0.20	0.30	

## Package Outline

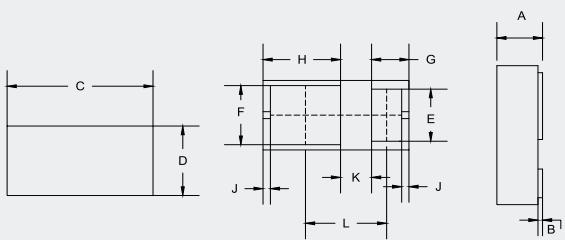
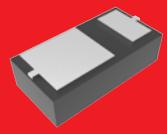
## Package Outline

**DFN1510-6**



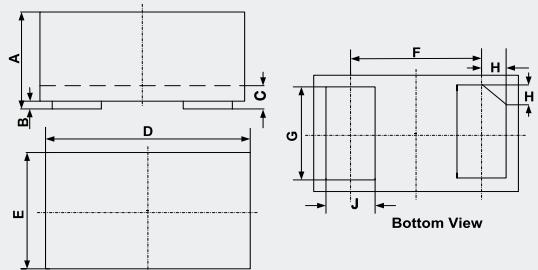
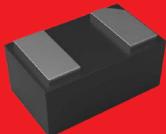
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.020	0.024	0.50	0.60	
A1	0.000	0.002	0.00	0.05	
b	0.006	0.010	0.15	0.25	
C	0.006		0.15		TYP.
D	0.055	0.063	1.40	1.60	
E	0.035	0.043	0.90	1.10	
e	0.020		0.50		TYP.
h	0.004	0.006	0.10	0.15	
L	0.014	0.018	0.35	0.45	

**DFN1608-2**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.45	0.55	
B	0.000	0.004	0.01	0.09	
C	0.061	0.065	1.55	1.65	
D	0.030	0.033	0.75	0.85	
E	0.020	0.027	0.52	0.68	
F	0.024	0.030	0.60	0.76	
G	0.016		0.41		REF.
H	0.033		0.85		REF.
J	0.003		0.08		REF.
K	0.013		0.34		REF.
L	0.035	0.039	0.90	1.00	

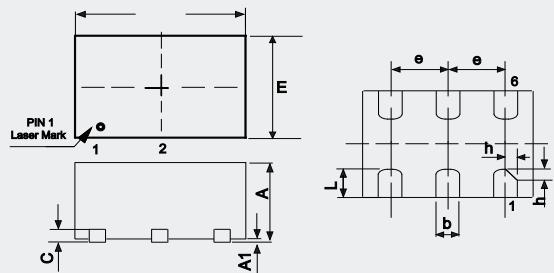
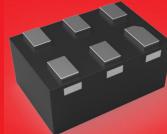
**DFN1610-2**



Bottom View

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.45	0.55	
B	0.000	0.002	0.00	0.05	
C	0.004	0.008	0.10	0.20	
D	0.062	0.066	1.55	1.65	
E	0.038	0.042	0.95	1.05	
F	0.044		1.10		TYP.
G	0.030	0.034	0.75	0.85	
H	0.006	0.010	0.15	0.25	
J	0.014	0.018	0.35	0.45	

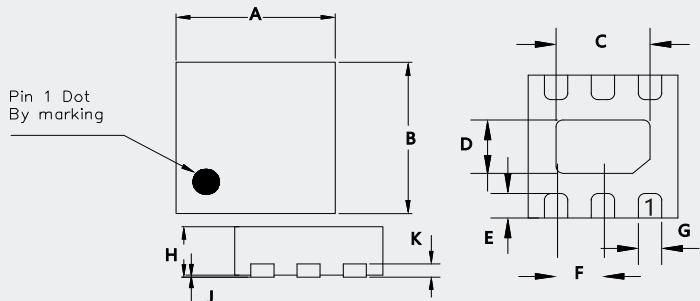
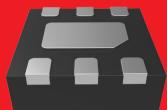
**DFN1610-6**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.028	0.032	0.70	0.80	
A1	0.000	0.002	0.00	0.05	
b	0.006	0.010	0.17	0.25	
c	0.006	0.010	0.15	0.25	
D	0.061	0.065	1.55	1.65	
E	0.035	0.043	0.90	1.10	
L	0.008	0.012	0.20	0.30	
e	0.020		0.50		TYP.
h	0.003	0.005	0.08	0.12	

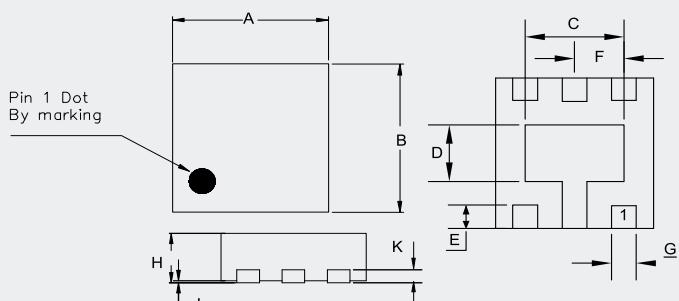
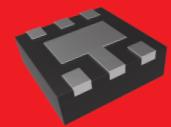
Package Outline

**DFN1616-6**



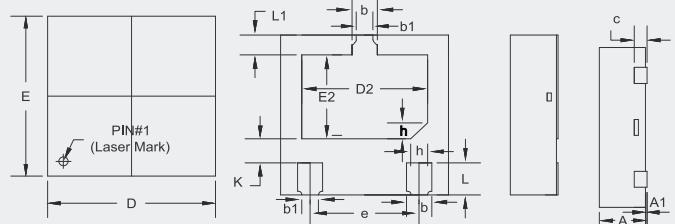
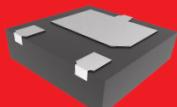
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.061	0.065	1.55	1.65	
B	0.061	0.065	1.55	1.65	
C	0.035	0.041	0.90	1.05	
D	0.020	0.026	0.50	0.65	
E	0.008	0.012	0.20	0.30	
F	0.020		0.50		TYP.
G	0.008	0.012	0.20	0.30	
H	0.020	0.024	0.50	0.60	
J	0.000	0.002	0.00	0.05	
K	0.006		0.15		TYP.

**DFN1616-6L**



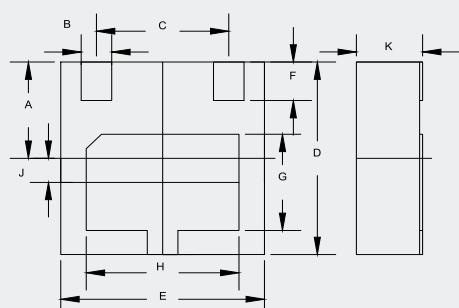
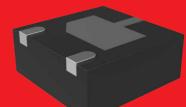
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.061	0.065	1.55	1.65	
B	0.061	0.065	1.55	1.65	
C	0.034	0.043	0.85	1.10	
D	0.018	0.028	0.45	0.70	
E	0.008	0.012	0.20	0.30	
F	0.020		0.50		TYP.
G	0.008	0.012	0.20	0.30	
H	0.020	0.024	0.50	0.60	
J	0.000	0.002	0.00	0.05	
K	0.006		0.15		TYP.

**DFN2020-3A**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.020	0.024	0.50	0.60	
A1	0.000	0.002	0.00	0.05	
b	0.010	0.014	0.25	0.35	
b1	0.008		0.20		TYP.
c	0.006		0.15		TYP.
D	0.075	0.083	1.90	2.10	
D2	0.055	0.063	1.40	1.60	
e	0.051		1.30		TYP.
E	0.075	0.083	1.90	2.10	
E2	0.037	0.045	0.95	1.15	
L	0.014	0.018	0.35	0.45	
L1	0.008	0.012	0.20	0.30	TYP.
h	0.008		0.20		TYP.
K	0.008	0.016	0.20	0.40	

**DFN2020-3L**

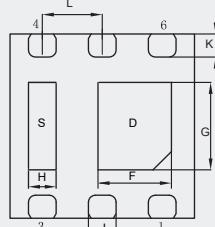
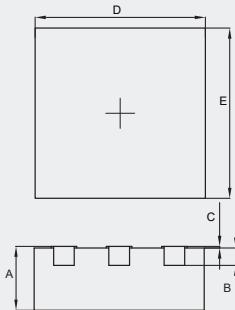
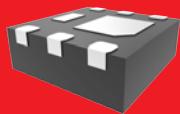


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.037	0.041	0.950	1.050	
B	0.010	0.014	0.250	0.350	
C	0.051		1.30		TYP.
D	0.075	0.083	1.900	2.100	
E	0.075	0.083	1.900	2.100	
F	0.014	0.018	0.350	0.450	
G	0.035	0.043	0.900	1.100	
H	0.055	0.063	1.400	1.600	
J	0.008	0.012	0.200	0.300	
K	-	0.026	-	0.650	

## Package Outline

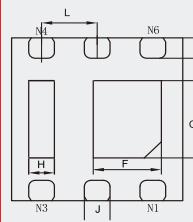
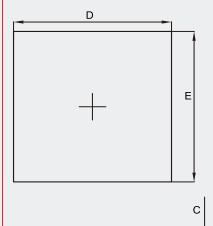
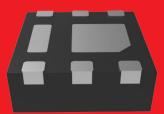
## Package Outline

**DFN2020-6J**



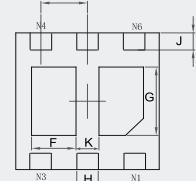
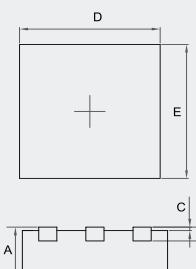
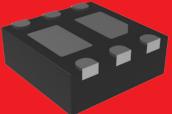
DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	0.030	0.034	0.750	0.850			
B	0.008		0.200		BSC.		
C	0.000	0.004	0.000	0.100			
D	0.075	0.083	1.900	2.100			
E	0.075	0.083	1.900	2.100			
F	0.024	0.031	0.610	0.810			
G	0.028	0.036	0.710	0.910			
H	0.008	0.016	0.200	0.400			
J	0.008	0.016	0.200	0.400			
K	0.006	0.014	0.150	0.350			
L	0.026		0.650		BSC.		

**DFN2020-6JA**



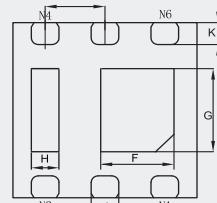
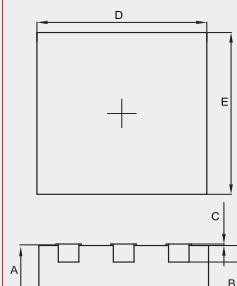
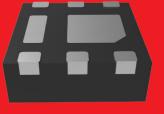
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.028	0.032	0.700	0.800	
B	0.006		0.150		REF.
C	0.000	0.002	0.000	0.050	
D	0.077	0.081	1.950	2.050	
E	0.077	0.081	1.950	2.050	
F	0.024	0.031	0.610	0.810	
G	0.028	0.036	0.710	0.910	
H	0.008	0.016	0.200	0.400	
J	0.010	0.014	0.250	0.350	
K	0.008	0.012	0.200	0.300	
L	0.026		0.650		TYP.

**DFN2020-6L**



DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	0.030	0.034	0.750	0.850			
B	0.008		0.200		TYP.		
C	0.000	0.002	0.000	0.050			
D	0.077	0.081	1.950	2.050			
E	0.077	0.081	1.950	2.050			
F	0.017	0.027	0.440	0.690			
G	0.033	0.043	0.840	1.090			
H	0.010	0.014	0.250	0.350			
J	0.007	0.015	0.175	0.375			
K	0.010	0.014	0.250	0.350			
L	0.026		0.650		TYP.		

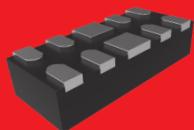
**DFN2020-6LE**



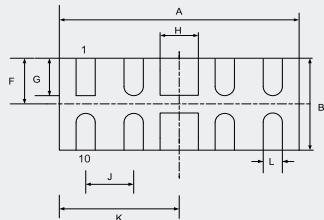
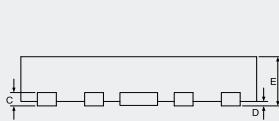
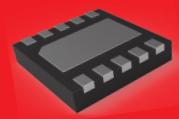
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.028	0.035	0.700	0.900	
B	0.008		0.200		REF.
C	0.000	0.004	0.000	0.100	
D	0.075	0.083	1.900	2.100	
E	0.075	0.083	1.900	2.100	
F	0.024	0.031	0.610	0.810	
G	0.028	0.036	0.710	0.910	
H	0.008	0.016	0.200	0.400	
J	0.008	0.016	0.200	0.400	
K	0.006	0.014	0.150	0.350	
L	0.026		0.650		TYP.

Package Outline

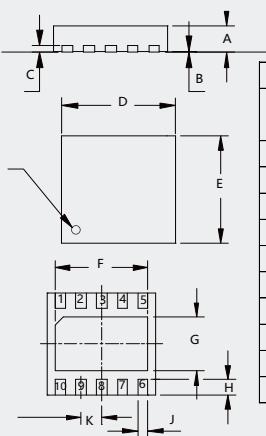
**DFN-10**



**DFN2626-10**

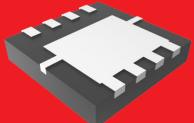


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.094	0.102	2.40	2.60	
B	0.035	0.043	0.90	1.10	
C	0.005		0.13		TYP.
D	0.000	0.002	0.00	0.05	
E	0.020	0.026	0.50	0.65	
F	0.017	0.022	0.45	0.55	
G	0.012	0.017	0.30	0.425	
H	0.014	0.018	0.35	0.45	
J	0.020		0.50		TYP.
K	0.047	0.056	1.20	1.30	
L	0.006	0.010	0.15	0.25	

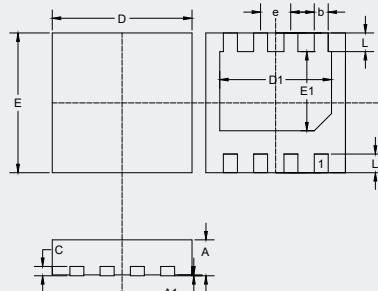
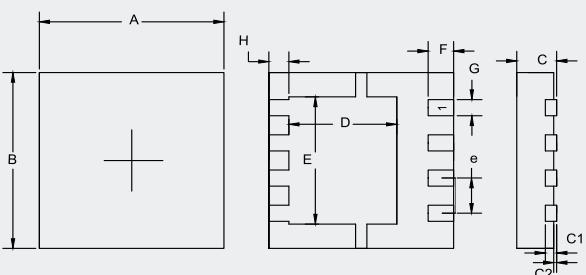


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.020	0.024	0.50	0.60	
B	0.000	0.002	0.00	0.05	
C	0.007		0.17		TYP.
D	0.098	0.106	2.50	2.70	
E	0.098	0.106	2.50	2.70	
F	0.079	0.089	2.00	2.25	
G	0.044	0.054	1.11	1.36	
H	0.012	0.016	0.30	0.40	
J	0.008	0.012	0.20	0.30	
K	0.020		0.50		TYP.

**DFN3333**



**DFN3333-8**



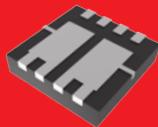
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.126	0.130	3.20	3.30	
B	0.126	0.130	3.20	3.30	
C	0.030	0.033	0.75	0.85	
C1	0.007	0.009	0.18	0.22	
C2	--	0.002	--	0.05	
D	0.071	0.079	1.80	2.00	
E	0.087	0.098	2.20	2.50	
F	0.016	0.020	0.40	0.50	
G	0.010	0.014	0.25	0.35	
H	0.012	0.016	0.30	0.40	
e	0.024	0.028	0.60	0.70	

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.028	0.031	0.70	0.80	
A1	0.000	0.002	0.00	0.05	
C	0.008		0.20		TYP.
b	0.010	0.014	0.25	0.35	
D	0.130		3.30		TYP.
E	0.130		3.30		TYP.
e	0.026		0.65		TYP.
D1	0.100	0.110	2.55	2.80	
E1	0.065	0.074	1.64	1.89	
L	0.013	0.021	0.325	0.525	

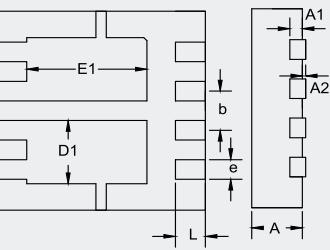
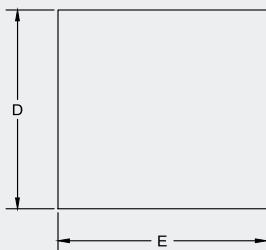
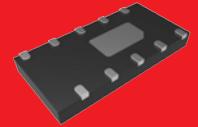
## Package Outline

## Package Outline

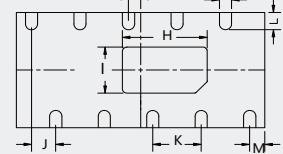
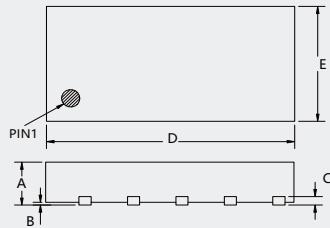
**DFN3333-D**



**DFN4120-10**



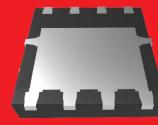
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.030	0.033	0.750	0.850	
A1	0.008		0.200		TYP.
A2	-	0.002	-	0.050	
D	0.128	0.132	3.250	3.350	
E	0.128	0.132	3.250	3.350	
D1	0.039	0.043	1.000	1.100	
E1	0.073	0.077	1.850	1.950	
b	0.026		0.650		BSC
e	0.012	0.014	0.300	0.350	
L	0.017	0.021	0.425	0.525	



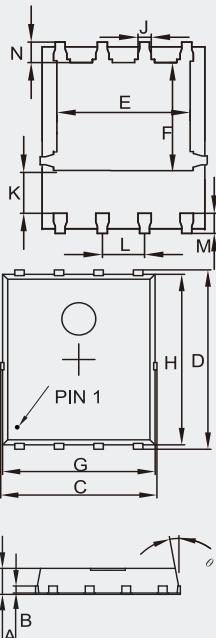
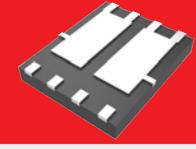
### DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.020	0.024	0.50	0.60	
B	0.000	0.002	0.00	0.05	
C	0.006		0.150		TYP.
D	0.162	0.166	4.05	4.15	
E	0.075	0.082	1.95	2.05	
F	0.008		0.200		TYP.
G	0.006	0.010	0.15	0.25	
H	0.050	0.060	1.25	1.50	
I	0.026	0.036	0.65	0.90	
J	0.016		0.40		TYP.
K	0.032		0.80		TYP.
L	0.008	0.016	0.20	0.40	
M	0.010		0.25		TYP.

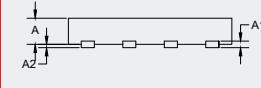
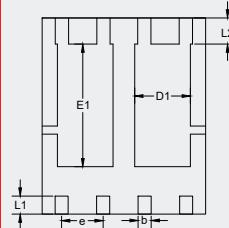
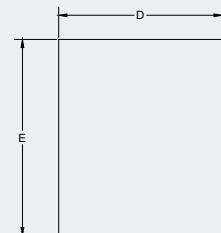
**DFN5060**



**DFN5060-8D**



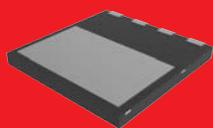
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.031	0.047	0.80	1.20	
B	0.010		0.254		TYP.
C	0.193	0.222	4.90	5.64	
D	0.232	0.250	5.90	6.35	
E	0.148	0.167	3.75	4.25	
F	0.126	0.154	3.20	3.92	
G	0.189	0.213	4.80	5.40	
H	0.222	0.239	5.65	6.06	
K	0.045	0.059	1.15	1.50	
J	0.012	0.020	0.30	0.50	
L	0.046	0.054	1.17	1.37	
M	0.012	0.028	0.30	0.71	
N	0.016	0.028	0.40	0.71	



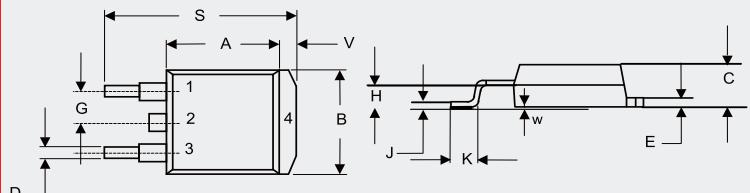
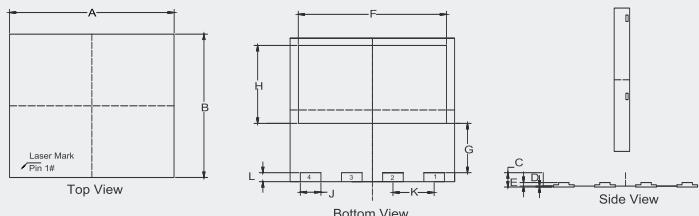
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
D	0.193	0.201	4.90	5.10	
E	0.232	0.240	5.90	6.10	
A	0.028	0.035	0.70	0.90	
A1	0.008		0.20		BSC
A2	0.000	0.004	0.00	0.10	
D1	0.063	0.071	1.60	1.80	
E1	0.144	0.152	3.65	3.85	
L1	0.018	0.026	0.45	0.65	
L2	0.031		0.80		BSC
b	0.012	0.020	0.30	0.50	
e	0.050		1.27		BSC

Package Outline

**DFN8080A**



**D<sup>2</sup>-PAK**



**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.311	0.319	7.90	8.10	
B	0.311	0.319	7.90	8.10	
C	0.030	0.037	0.75	0.95	
D	0.000	0.002	0.00	0.05	
E	0.004	0.012	0.10	0.30	
F	0.280	0.287	7.10	7.30	
G	0.104	0.112	2.65	2.85	
H	0.167	0.175	4.25	4.45	
J	0.035	0.043	0.90	1.10	
K	0.079		2.00		BSC
L	0.016	0.024	0.40	0.60	

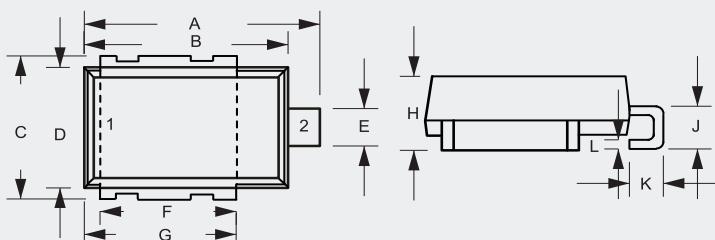
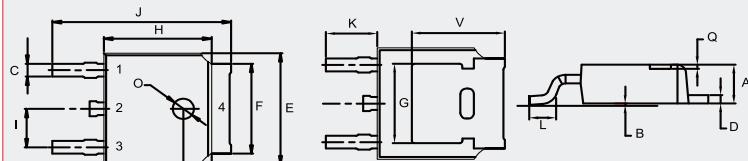
**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.331	0.370	8.40	9.40	
B	0.378	0.417	9.60	10.60	
C	0.165	0.189	4.20	4.80	
D	0.027	0.037	0.68	0.94	
E	0.045	0.055	1.14	1.40	
G	0.010		2.54		TYP.
H	0.096	0.134	2.43	3.40	
J	0.011	0.025	0.28	0.64	
K	0.071	0.131	1.80	3.32	
S	0.575	0.625	14.60	15.87	
V	0.042	0.058	1.07	1.47	
W	0.000	0.010	0.00	0.25	

**DPAK**



**DO-218AB**



**DIMENSIONS**

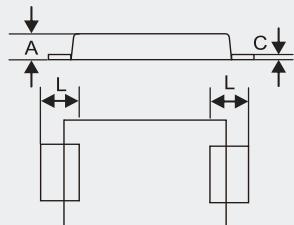
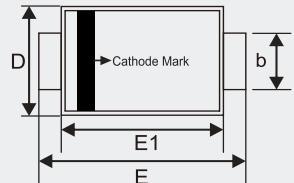
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.087	0.094	2.20	2.40	
B	0.000	0.005	0.00	0.13	
C	0.026	0.034	0.66	0.86	
D	0.018	0.023	0.46	0.58	
E	0.256	0.264	6.50	6.70	
F	0.201	0.215	5.10	5.46	
G	0.190		4.83		TYP.
H	0.236	0.244	6.00	6.20	
I	0.086	0.094	2.18	2.39	
J	0.386	0.409	9.80	10.40	
K	0.114		2.90		TYP.
L	0.055	0.067	1.40	1.70	
M	0.063		1.60		TYP.
O	0.043	0.051	1.10	1.30	
Q	0.000	0.012	0.00	0.30	
V	0.211		5.35		TYP.

**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.590	0.630	15.00	16.00	
B	0.524	0.539	13.30	13.70	
C	0.374	0.413	9.50	10.50	
D	0.323	0.339	8.20	8.60	
E	0.091	0.114	2.30	2.90	
F	0.343	0.366	8.70	9.30	
G	0.382	0.406	9.70	10.30	
H	0.189	0.205	4.80	5.20	
J	0.098	0.138	2.50	3.50	
K	0.067	0.106	1.70	2.70	
L	0.020	0.028	0.50	0.70	

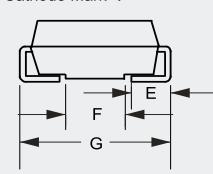
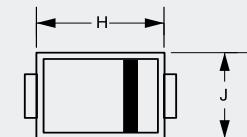
## Package Outline

### DO-221AC



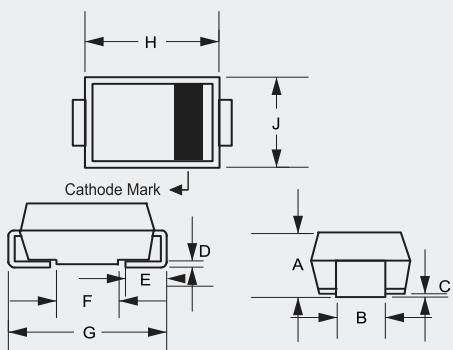
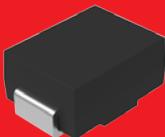
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.035	0.049	0.90	1.25	
B	0.049	0.065	1.25	1.65	
C	0.004	0.016	0.10	0.40	
D	0.089	0.116	2.25	2.95	
E	0.173	0.220	4.40	5.60	
E1	0.126	0.181	3.20	4.60	
L	0.020	0.059	0.50	1.50	

### SMA



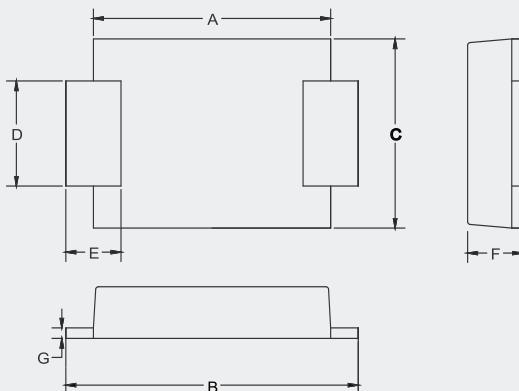
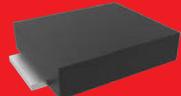
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.075	0.096	1.90	2.44	
B	0.050	0.064	1.27	1.63	
C	0.002	0.008	0.051	0.203	
D	--	0.020	--	0.51	
E	0.030	0.060	0.76	1.52	
F	0.065	0.091	1.65	2.32	
G	0.189	0.220	4.80	5.59	
H	0.157	0.187	4.00	4.75	
J	0.090	0.115	2.25	2.92	

### SMB



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.079	0.103	2.00	2.62	
B	0.075	0.087	1.91	2.21	
C	0.002	0.008	0.05	0.20	
D	0.006	0.012	0.15	0.31	
E	0.030	0.060	0.76	1.52	
F	0.065	0.091	1.65	2.32	
G	0.200	0.220	5.08	5.59	
H	0.160	0.191	4.06	4.85	
J	0.130	0.155	3.30	3.94	

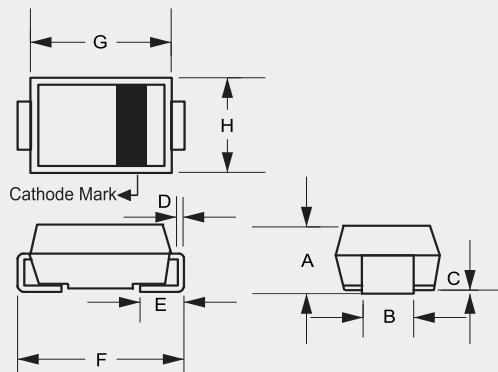
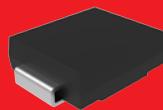
### SMBF



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.150	0.165	3.80	4.20	
B	0.197	0.213	5.00	5.40	
C	0.130	0.146	3.30	3.70	
D	0.073	0.085	1.85	2.15	
E	0.018	0.037	0.45	0.95	
F	0.045	0.055	1.15	1.40	
G	0.008	0.014	0.20	0.35	

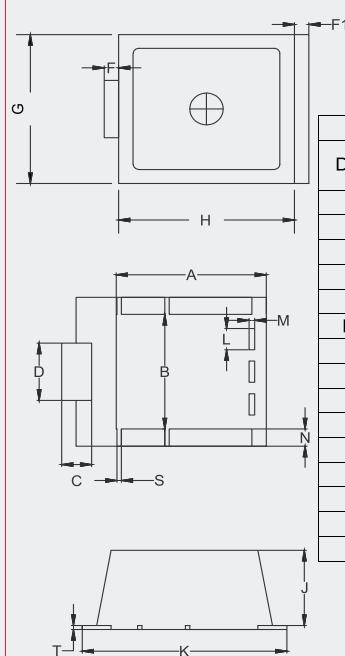
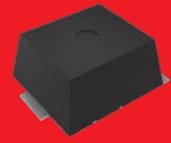
Package Outline

**SMC**



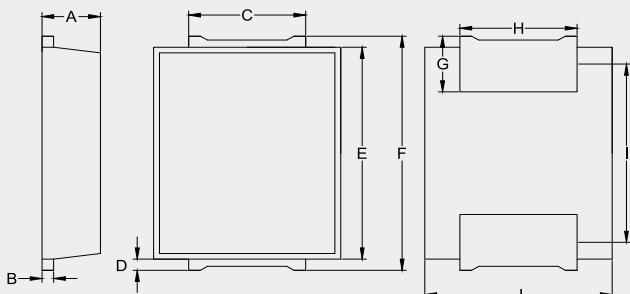
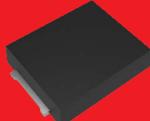
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.079	0.103	2.00	2.62	
B	0.108	0.128	2.75	3.25	
C	0.002	0.008	0.051	0.203	
D	0.006	0.012	0.152	0.305	
E	0.030	0.060	0.76	1.52	
F	0.305	0.320	7.75	8.13	
G	0.260	0.280	6.60	7.11	
H	0.220	0.245	5.59	6.22	

**SME**



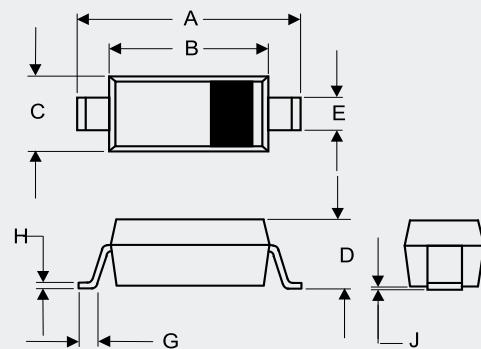
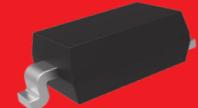
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.518	0.542	13.16	13.76	
B	0.415	0.435	10.55	11.05	
C	0.098	0.114	2.50	2.90	
D	0.203	0.222	5.15	5.65	
F	0.047	0.055	1.20	1.40	
F1	0.047	0.055	1.20	1.40	
G	0.530	0.575	13.45	14.60	
H	0.610	0.632	15.50	16.05	
J	0.273	0.285	6.94	7.24	
K	0.713	0.728	18.10	18.50	
L	0.075	0.083	1.90	2.10	
M	0.016	0.024	0.40	0.60	
N	0.055	0.063	1.40	1.60	
T	0.013	0.017	0.33	0.43	
S	0.014	0.018	0.35	0.45	

**SMG**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.096	0.100	2.45	2.55	
B	0.018	0.022	0.45	0.55	
C	0.193	0.201	4.90	5.10	
D	0.016	0.024	0.40	0.60	
E	0.370	0.378	9.40	9.60	
F	0.406	0.421	10.30	10.70	
G	0.094	0.102	2.40	2.60	
H	0.193	0.201	4.90	5.10	
J	0.311	0.319	7.90	8.10	
I	0.311	0.319	7.90	8.10	

**SOD-123**

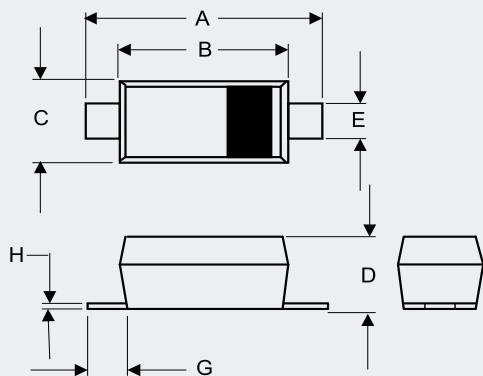


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.140	0.152	3.55	3.85	
B	0.100	0.112	2.55	2.85	
C	0.055	0.071	1.40	1.80	
D	---	0.053	---	1.35	
E	0.018	0.026	0.45	0.65	
G	0.006	---	0.15	---	
H	---	0.010	---	0.25	
J	---	0.006	---	0.15	

## Package Outline

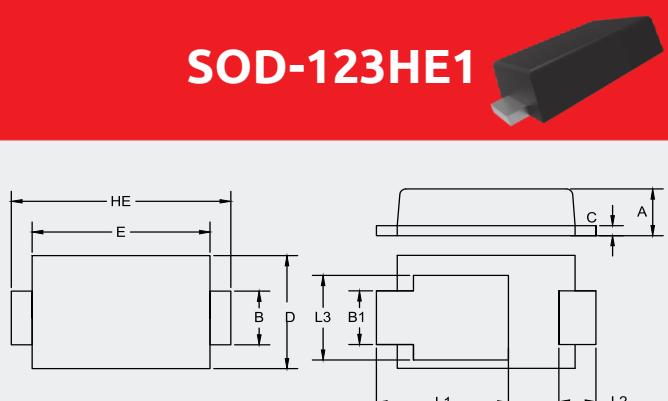
## Package Outline

**SOD-123FL**



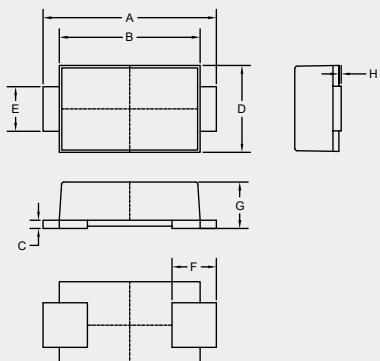
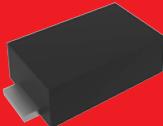
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.130	0.152	3.30	3.85	
B	0.100	0.122	2.55	3.10	
C	0.055	0.075	1.40	1.90	
D	0.035	0.053	0.90	1.35	
E	0.020	0.041	0.50	1.05	
G	0.010	---	0.25	---	
H	---	0.010	---	0.25	

**SOD-123HE1**



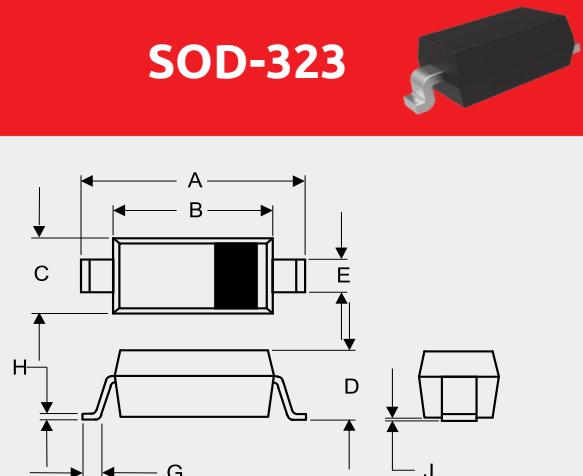
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.030	0.035	0.75	0.90	
B	0.033	0.041	0.85	1.05	
B1	0.033	0.041	0.85	1.05	
C	0.004	0.010	0.10	0.25	
D	0.075	0.083	1.90	2.10	
E	0.114	0.122	2.90	3.10	
L1	0.079	0.096	2.00	2.45	
L2	0.016	0.033	0.40	0.85	
L3	0.051	0.067	1.30	1.70	
HE	0.138	0.154	3.50	3.90	

**SOD-123TFL**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.138	0.154	3.50	3.90	
B	0.114	0.122	2.90	3.10	
C	0.004	0.010	0.10	0.25	
D	0.067	0.079	1.70	2.00	
E	0.033	0.041	0.85	1.05	
F	0.017	0.033	0.43	0.83	
G	0.035	0.043	0.90	1.08	
H	0.000	0.004	0.00	0.10	

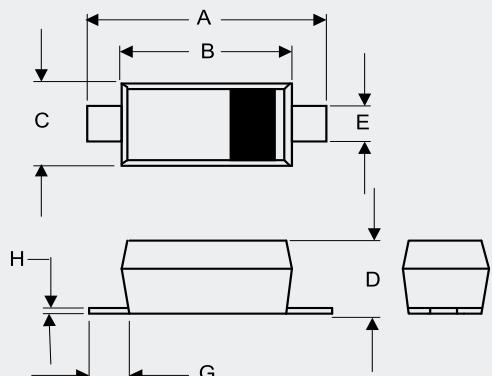
**SOD-323**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.090	0.107	2.30	2.70	
B	0.063	0.071	1.60	1.80	
C	0.045	0.053	1.15	1.35	
D	0.031	0.045	0.80	1.15	
E	0.010	0.016	0.25	0.40	
G	0.004	0.018	0.10	0.45	
H	0.004	0.010	0.10	0.25	
J	---	0.006	---	0.15	

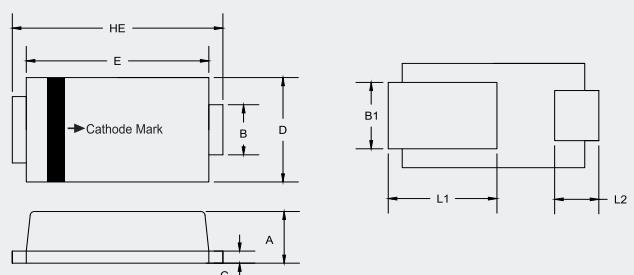
Package Outline

**SOD-323FL**



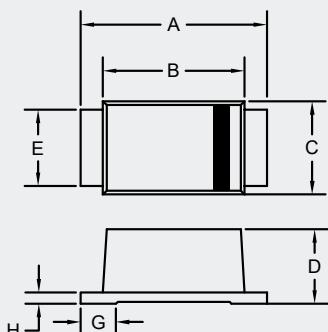
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.090	0.107	2.30	2.70	
B	0.063	0.078	1.60	1.95	
C	0.045	0.053	1.15	1.35	
D	0.024	0.035	0.60	0.90	
E	0.010	0.016	0.25	0.40	
G	0.016		0.40		TYP.
H	0.002	0.008	0.05	0.21	

**SOD-323HE**



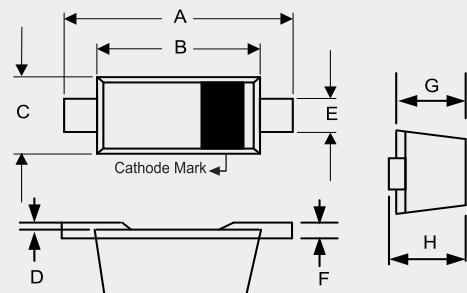
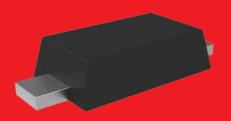
DIM	DIMENSIONS				NOTE	
	INCHES		MM			
	MIN	MAX	MIN	MAX		
A	0.022	0.030	0.550	0.750		
B	0.021	0.029	0.530	0.730		
B1	0.028	0.036	0.720	0.920		
C	0.004	0.010	0.100	0.250		
D	0.047	0.055	1.200	1.400		
E	0.081	0.089	2.050	2.250		
L1	0.047	0.055	1.200	1.400		
L2	0.016	0.024	0.400	0.600		
HE	0.094	0.102	2.400	2.600		

**SOD-323HL**



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.091	0.106	2.30	2.70	
B	0.067	0.083	1.70	2.10	
C	0.041	0.057	1.05	1.45	
D	0.031	0.047	0.80	1.20	
E	0.035	0.045	0.90	1.15	
G	0.010	0.028	0.25	0.70	
H	0.002	0.010	0.05	0.25	

**SOD-523**



DIM	DIMENSIONS				NOTE	
	INCHES		MM			
	MIN	MAX	MIN	MAX		
A	0.059	0.067	1.50	1.70		
B	0.043	0.051	1.10	1.30		
C	0.030	0.033	0.75	0.85		
D	0.000	0.003	0.00	0.07		
E	0.010	0.014	0.25	0.35		
F	0.003	0.008	0.08	0.20		
G	0.020	0.026	0.50	0.65		
H	0.020	0.026	0.50	0.65		

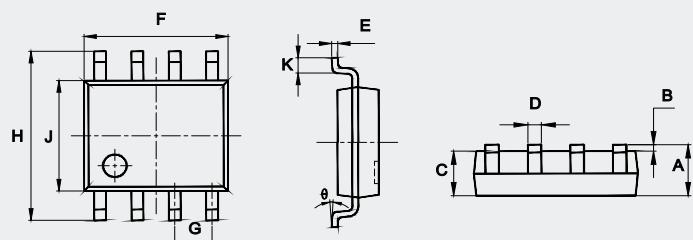
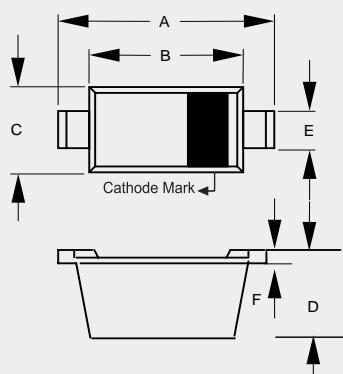
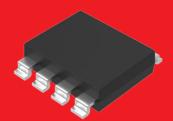
## Package Outline

## Package Outline

**SOD-923**



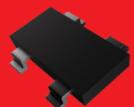
**SOP-8**



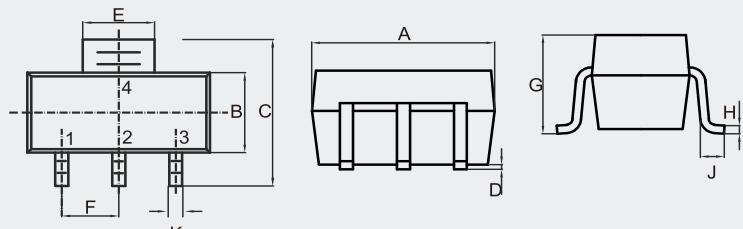
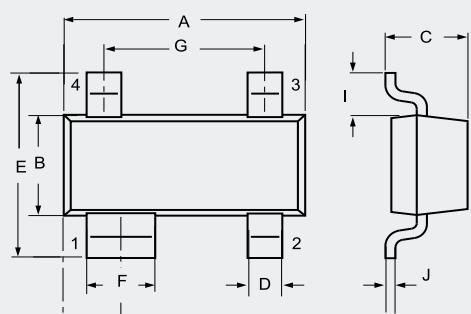
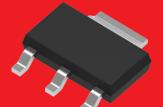
DIMENSIONS					NOTE
DIM	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.037	0.041	0.95	1.05	
B	0.030	0.033	0.75	0.85	
C	0.022	0.026	0.55	0.65	
D	0.014	0.017	0.36	0.43	
E	0.006	0.010	0.15	0.25	
F	0.003	0.007	0.07	0.17	

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.053	0.069	1.35	1.75	
B	0.004	0.010	0.10	0.25	
C	0.053	0.061	1.35	1.55	
D	0.013	0.020	0.33	0.51	
E	0.007	0.010	0.17	0.25	
F	0.185	0.200	4.70	5.10	
G	0.050		1.270		TYP.
H	0.228	0.244	5.80	6.20	
J	0.150	0.157	3.80	4.00	
K	0.016	0.050	0.40	1.27	
θ	0°	8°	0°	8°	

**SOT-143**



**SOT-223**



DIMENSIONS					NOTE
DIM	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.110	0.120	2.80	3.04	
B	0.047	0.055	1.20	1.39	
C	0.031	0.048	0.80	1.22	
D	0.011	0.020	0.30	0.51	
E	0.082	0.104	2.10	2.64	
F	0.029	0.037	0.76	0.94	
G	0.070	0.080	1.78	2.03	
H	0.028	0.033	0.72	0.83	
I	0.015	0.024	0.40	0.60	
J	0.003	0.008	0.08	0.20	

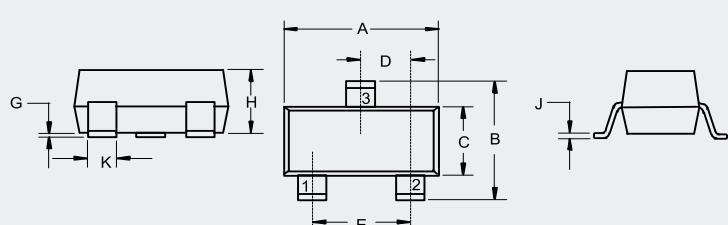
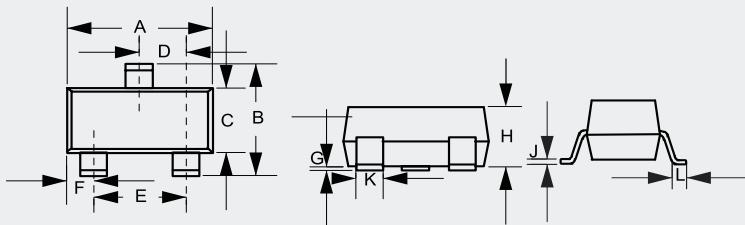
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.248	0.264	6.30	6.70	
B	0.130	0.146	3.30	3.70	
C	0.264	0.287	6.70	7.30	
D	0.001	0.004	0.02	0.10	
E	0.114	0.122	2.90	3.10	
F	0.091		2.30		TYP.
G	--	0.071	--	1.80	
H	0.009	0.014	0.23	0.35	
J	0.030	--	0.75	--	
K	0.026	0.033	0.66	0.84	

Package Outline

SOT-23



SOT-23-3L



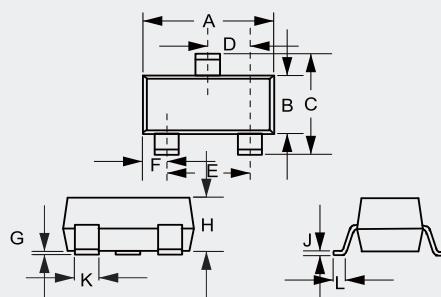
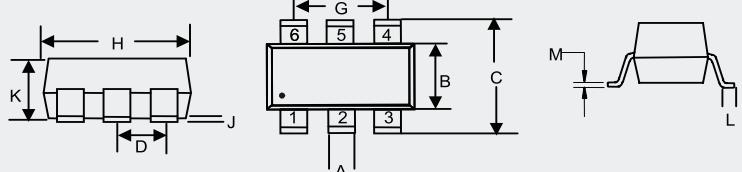
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.110	0.120	2.80	3.04	
B	0.083	0.104	2.10	2.64	
C	0.047	0.055	1.20	1.40	
D	0.034	0.041	0.85	1.05	
E	0.067	0.083	1.70	2.10	
F	0.018	0.024	0.45	0.60	
G	0.0004	0.006	0.01	0.15	
H	0.035	0.043	0.90	1.10	
J	0.003	0.007	0.08	0.18	
K	0.012	0.020	0.30	0.51	
L	0.007	0.020	0.20	0.50	

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.113	0.117	2.87	2.97	
B	0.108	0.112	2.75	2.85	
C	0.061	0.065	1.55	1.65	
D	0.036	0.038	0.914	0.965	
E	0.073	0.077	1.85	1.95	
G	0.0016	0.0039	0.04	0.100	
H	0.044	0.049	1.12	1.25	
J	0.006	0.007	0.14	0.17	
K	0.013	0.015	0.34	0.37	

SOT23-6L



SOT-323



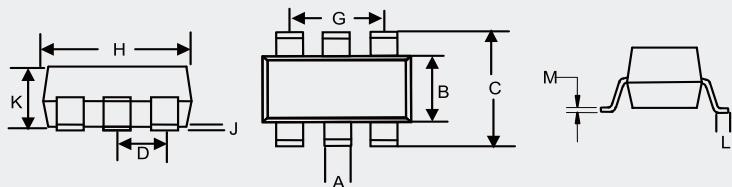
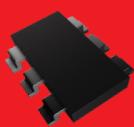
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.012	0.020	0.30	0.50	
B	0.051	0.070	1.30	1.80	
C	0.087	0.126	2.20	3.20	
D	0.037		0.95		TYP.
G	0.074		1.90		TYP.
H	0.106	0.122	2.70	3.10	
J	0.002	0.006	0.05	0.15	
K	0.030	0.051	0.75	1.30	
L	0.012	0.024	0.30	0.60	
M	0.003	0.008	0.08	0.22	

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.071	0.087	1.80	2.20	
B	0.045	0.053	1.15	1.35	
C	0.083	0.096	2.10	2.45	
D	0.026		0.65		TYP.
E	0.047	0.055	1.20	1.40	
F	0.012	0.016	0.30	0.40	
G	0.000	0.004	0.00	0.10	
H	0.035	0.044	0.90	1.10	
J	0.002	0.010	0.05	0.25	
K	0.006	0.016	0.15	0.40	
L	0.010	0.018	0.26	0.46	

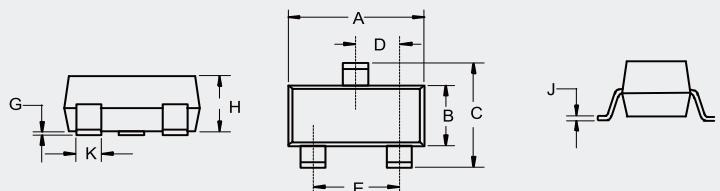
## Package Outline

## Package Outline

**SOT-363**



**SOT-523**



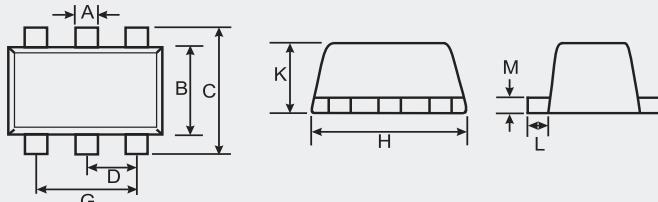
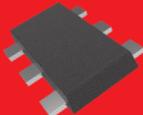
**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.006	0.014	0.15	0.35	
B	0.045	0.053	1.15	1.35	
C	0.079	0.096	2.00	2.45	
D	0.026		0.65		TYP.
G	0.047	0.055	1.20	1.40	
H	0.071	0.087	1.80	2.20	
J	----	0.004	---	0.10	
K	0.031	0.043	0.80	1.10	
L	0.010	0.018	0.26	0.46	
M	0.003	0.006	0.08	0.15	

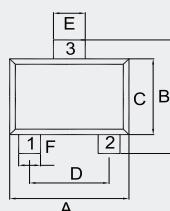
**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.059	0.067	1.50	1.70	
B	0.030	0.033	0.75	0.85	
C	0.057	0.069	1.45	1.75	
D	0.020		0.50		TYP.
E	0.035	0.043	0.90	1.10	
G	0.000	0.004	0.00	0.10	
H	0.028	0.031	0.70	0.80	
J	0.004	0.008	0.10	0.20	
K	0.006	0.014	0.15	0.35	

**SOT-563**



**SOT-723**



**DIMENSIONS**

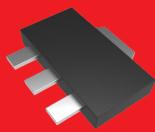
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.006	0.011	0.15	0.30	
B	0.043	0.051	1.10	1.30	
C	0.059	0.067	1.50	1.70	
D	0.020		0.50		TYP.
G	0.035	0.043	0.90	1.10	
H	0.059	0.067	1.50	1.70	
K	0.020	0.023	0.52	0.60	
L	0.004	0.011	0.10	0.30	
M	0.004	0.007	0.10	0.18	

**DIMENSIONS**

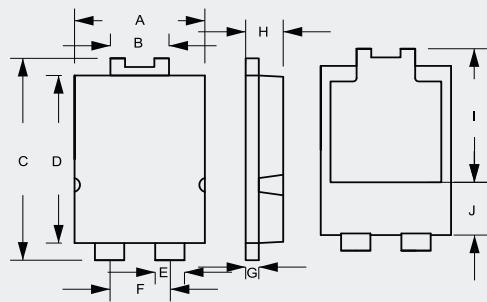
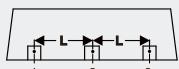
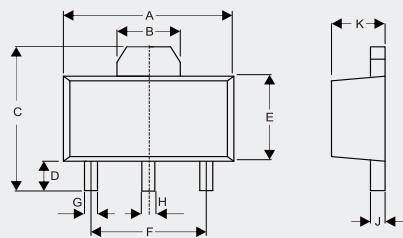
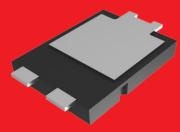
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.043	0.051	1.10	1.30	
B	0.043	0.051	1.10	1.30	
C	0.028	0.035	0.70	0.90	
D	0.031		0.80		TYP.
E	0.009	0.017	0.22	0.42	
F	0.005	0.013	0.12	0.32	
G	0.000	0.002	0.00	0.05	
H	0.017	0.021	0.43	0.54	
J	0.003	0.006	0.08	0.15	

Package Outline

SOT-89



TO-277



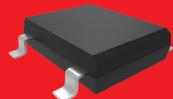
DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.169	0.185	4.30	4.70	
B	0.061		1.55		TYP.
C	0.154	0.171	3.91	4.35	
D	0.031	0.047	0.80	1.20	
E	0.089	0.104	2.25	2.65	
F	0.118		3.00		TYP.
G	0.013	0.020	0.33	0.52	
H	0.015	0.021	0.38	0.53	
J	0.014	0.017	0.35	0.44	
K	0.055	0.063	1.40	1.60	
L	0.059		1.50		TYP.

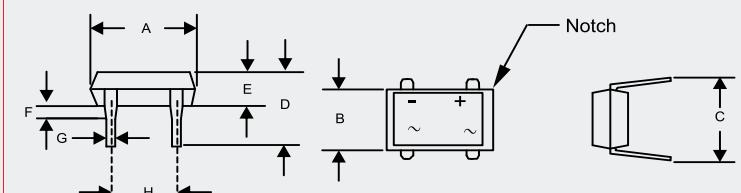
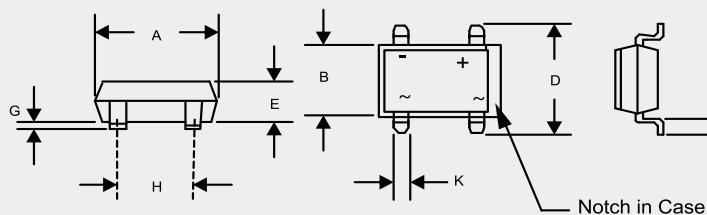
DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.154	0.161	3.90	4.10	
B	0.067	0.075	1.70	1.90	
C	0.252	0.260	6.40	6.60	
D	0.209	0.217	5.30	5.50	
E	0.031	0.039	0.80	1.00	
F	0.071	0.075	1.80	1.90	
G	0.014	0.018	0.35	0.45	
H	0.043	0.047	1.10	1.20	
I	0.161	0.177	4.10	4.50	
J	0.059	0.075	1.50	1.90	

SDB-1



DB-1



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.316	0.335	8.05	8.51	
B	0.245	0.255	6.20	6.50	
C	0.040	0.060	1.02	1.50	
D	0.360	0.410	9.40	10.40	
E	0.102	0.130	2.60	3.30	
G	0.003	0.013	0.076	0.33	
H	0.195	0.205	5.00	5.20	
K	0.038	0.047	1.00	1.20	

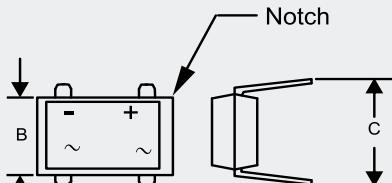
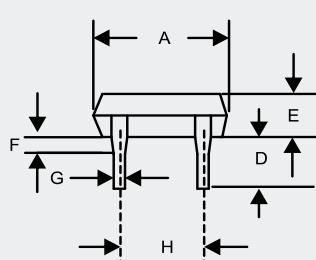
DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.316	0.335	8.05	8.51	
B	0.245	0.255	6.20	6.50	
C	0.300	0.350	7.60	8.90	
D	0.236	0.299	6.01	7.60	
E	0.102	0.130	2.60	3.30	
F	0.060		1.50		TYP.
G	0.016	0.022	0.41	0.56	TYP.
H	0.195	0.205	5.00	5.20	

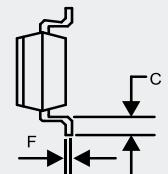
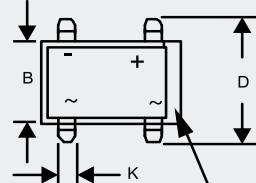
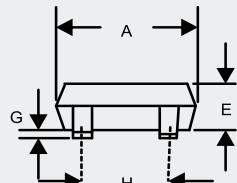
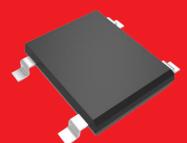
## Package Outline

## Package Outline

**DBL-1**



**SDBL-1**



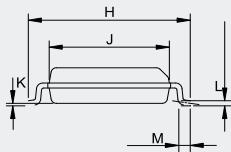
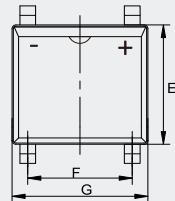
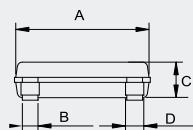
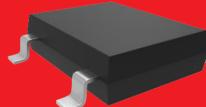
**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.316	0.335	8.05	8.51	
B	0.245	0.255	6.20	6.50	
C	0.300	0.350	7.60	8.90	
D	0.150	0.185	3.81	4.69	
E	0.093	0.096	2.35	2.45	
F	0.050	0.080	1.27	2.03	
G	0.018	0.023	0.46	0.56	
H	0.195	0.205	5.00	5.20	

**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.320	0.335	8.12	8.51	
B	0.244	0.256	6.20	6.50	
C	0.040	0.060	1.02	1.53	
D	0.366	0.413	9.30	10.50	
E	0.093	0.096	2.35	2.45	
F	0.006	0.013	0.15	0.33	
G	0.003	0.013	0.076	0.33	
H	0.195	0.205	5.00	5.20	
K	0.037	0.047	0.95	1.20	

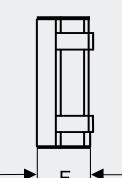
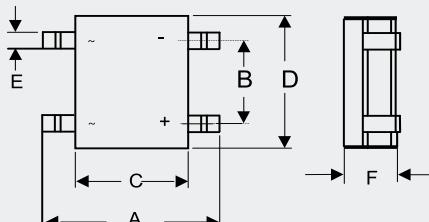
**LMBS-1**



**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.197	0.205	4.90	5.20	
B	0.024		0.60		
C	--	0.059	--	1.50	
D	0.024	0.032	0.60	0.80	
E	--	0.189	--	4.80	
F	0.150	0.165	3.80	4.20	
G	--	0.209	--	5.30	
H	0.236	0.252	6.00	6.60	
J	0.177	0.185	4.30	4.70	
K	0.0009	0.004	0.02	0.21	
L	0.006	0.012	0.15	0.30	
M	0.017	0.031	0.25	0.80	

**MBLS-1**

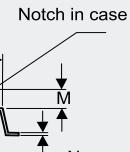
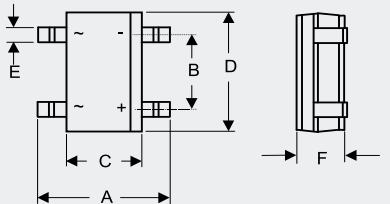


**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.252	0.283	6.40	7.20	
B	0.087	0.102	2.20	2.60	
C	0.142	0.193	3.60	4.90	
D	0.177	0.200	4.55	5.10	
E	0.022	0.033	0.55	0.84	
F	0.045	0.063	1.15	1.60	
G	0.000	0.008	0.00	0.20	
H	0.016	0.043	0.40	1.10	
J	0.004	0.016	0.10	0.35	

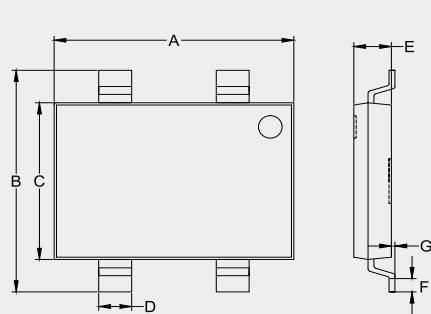
Package Outline

**MBS-1**



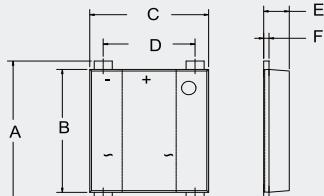
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.252	0.276	6.40	7.00	
B	0.095	0.106	2.41	2.70	
C	0.142	0.165	3.60	4.20	
D	0.179	0.195	4.55	4.95	
E	0.019	0.031	0.50	0.80	
F	0.090	0.106	2.30	2.70	
G	0.002	0.008	0.05	0.20	
H	0.027	0.043	0.70	1.10	
J	0.058	0.062	1.47	1.57	
K	0.195	0.205	4.95	5.21	
M	0.039	0.049	0.99	1.24	
N	0.006	0.016	0.15	0.41	

**TBL**



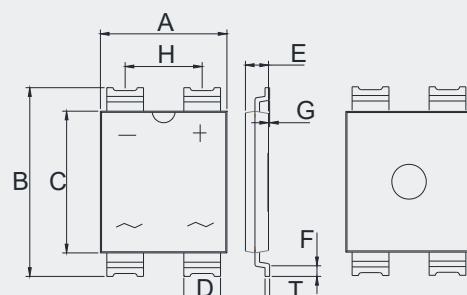
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.394	0.409	10.00	10.40	
B	0.382	0.398	9.70	10.10	
C	0.268	0.283	6.80	7.20	
D	0.051	0.059	1.30	1.50	
E	0.055	0.071	1.40	1.80	
F	0.020	0.043	0.50	1.10	
G	0.000	0.006	0.00	0.15	
H	0.193	0.201	4.90	5.10	

**TBS**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.311	0.339	7.90	8.60	
B	0.283	0.291	7.20	7.40	
C	0.256	0.264	6.50	6.70	
D	0.197	0.205	5.00	5.20	
E	0.051	0.059	1.30	1.50	
F	0.011	0.016	0.27	0.40	
G	0.037	0.045	0.95	1.15	
H	0.028	0.041	0.70	1.05	
J	0.114	0.122	2.90	3.10	
K	0.0015	0.003	0.04	0.08	

**TBN**

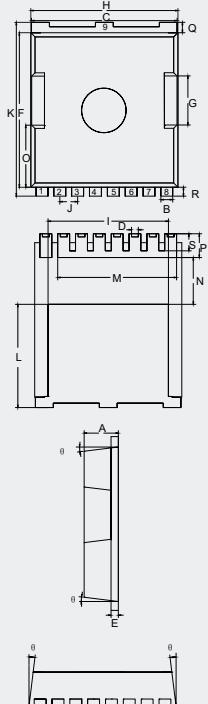
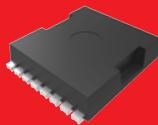


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.421	0.445	10.70	11.30	
B	0.624	0.656	15.85	16.65	
C	0.461	0.484	11.70	12.30	
D	0.120	0.132	3.05	3.35	
E	0.071	0.087	1.80	2.20	
F	0.028	0.043	0.70	1.10	
G	-	0.008	-	0.20	
H	0.258	0.270	6.55	6.85	
T	0.014	0.022	0.35	0.55	

## Package Outline

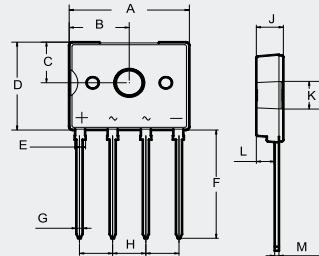
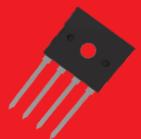
## Package Outline

### TOLL-8L



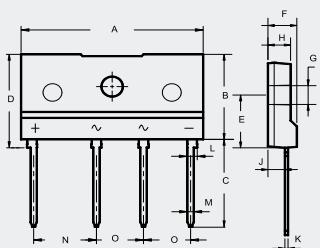
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.087	0.094	2.20	2.40	
B	0.028	0.035	0.70	0.90	
C	0.382	0.390	9.70	9.90	
D	0.017	0.020	0.42	0.50	
E	0.016	0.024	0.40	0.60	
F	0.405	0.417	10.28	10.58	
G	0.122	0.138	3.10	3.50	
H	0.382	0.398	9.70	10.10	
I	0.311	0.327	7.90	8.30	
J	0.047		1.20		BSC
K	0.452	0.468	11.48	11.88	
L	0.266	0.281	6.75	7.15	
M	0.315		8.00		
N	0.118	0.130	3.00	3.30	
O	0.157	0.172	3.98	4.38	
P	0.055	0.071	1.40	1.80	
Q	0.024	0.031	0.60	0.80	
R	0.020	0.028	0.50	0.70	
S	0.039	0.051	1.00	1.30	
θ	4°	10°	4°	10°	

### D3K



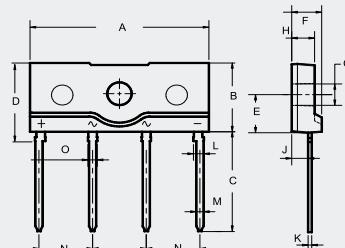
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.524	0.563	13.30	14.30	
B	0.252	0.291	6.40	7.40	
C	0.177	0.217	4.50	5.50	
D	0.406	0.445	10.30	11.30	
E	0.041	0.057	1.05	1.45	
F	0.516	0.531	13.10	13.50	
G	0.024	0.033	0.60	0.85	
H	0.146	0.154	3.70	3.90	
J	0.102	0.142	2.60	3.60	
K	0.122	0.134	3.10	3.40	
L	0.079	0.087	2.00	2.20	
M	0.016	0.024	0.40	0.60	

### JA



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.130	1.154	28.70	29.30	
B	0.559	0.583	14.20	14.80	
C	0.575	0.598	14.60	15.20	
D	0.614	0.638	15.60	16.20	
E	0.343	0.366	8.70	9.30	
F	0.169	0.193	4.30	4.90	
G	0.122	0.134	3.10	3.40	
H	0.130	0.154	3.30	3.90	
J	0.098	0.114	2.50	2.90	
K	0.012	0.024	0.40	0.60	
L	0.059	0.067	1.50	1.70	
M	0.035	0.043	0.90	1.10	
N	0.390	0.400	9.80	10.20	
O	0.290	0.300	7.30	7.70	

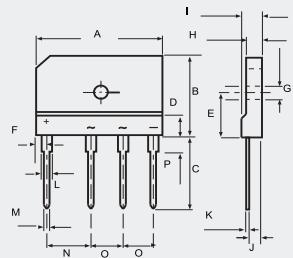
### JB



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.972	0.996	24.70	25.30	
B	0.394	0.417	10.00	10.60	
C	0.575	0.598	14.60	15.20	
D	0.449	0.472	11.40	12.00	
E	0.213	0.236	5.40	6.00	
F	0.154	0.177	3.90	4.50	
G	0.122	0.134	3.10	3.40	
H	0.114	0.138	2.90	3.90	
J	0.079	0.102	2.00	2.60	
K	0.012	0.024	0.40	0.60	
L	0.053	0.061	1.35	1.55	
M	0.035	0.043	0.90	1.10	
N	0.287	0.303	7.30	7.70	
O	0.047	0.055	1.20	1.40	

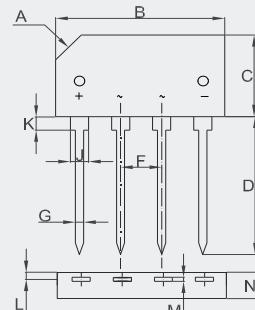
Package Outline

**GBJ**



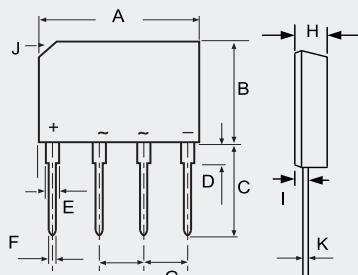
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.170	1.190	29.70	30.30	
B	0.780	0.800	19.70	20.30	
C	0.670	0.710	17.00	18.00	
D	0.190	0.190	4.70	4.90	
E	0.430	0.440	10.80	11.20	
F	0.090	0.110	2.30	2.70	
G	0.120	0.130	3.10	3.40	
H	0.130	0.150	3.40	3.80	
R	0.170	0.190	4.40	4.80	
J	0.100	0.110	2.50	2.90	
K	0.020	0.030	0.60	0.80	
L	0.080	0.090	2.00	2.40	
M	0.040	0.040	0.90	1.10	
N	0.390	0.400	9.80	10.20	
O	0.290	0.300	7.30	7.70	
P	0.150	0.170	3.80	4.20	

**GBL**



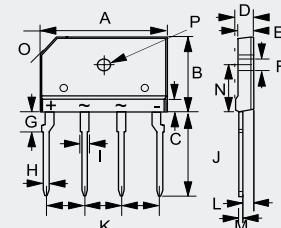
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.118 X 0.118		3.0 X 3.0		X 45°
B	0.756	0.835	19.20	21.20	
C	0.413	0.453	10.50	11.50	
D	0.512	0.591	13.00	15.00	
F	0.193	0.201	4.90	5.10	
G	0.039	0.047	1.00	1.20	
J	0.047	0.071	1.20	1.80	
K	0.079	0.118	2.00	3.00	
L	0.035	0.043	0.90	1.10	
M	0.020	0.027	0.50	0.70	
N	0.118	0.157	3.00	4.00	

**GBP**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.561	0.580	14.25	14.75	
B	0.406	0.417	10.10	10.60	
C	0.561	0.581	14.25	14.73	
D	0.071	0.087	1.80	2.20	
E	0.046	0.056	1.17	1.42	
F	0.030	0.034	0.76	0.86	
G	0.140	0.160	3.56	4.06	
H	0.131	0.161	3.35	4.10	
I	0.031	0.043	0.80	1.10	
J	0.106 X 45°		2.70 X 45°		
K	0.012	0.025	0.30	0.64	

**KBJ**

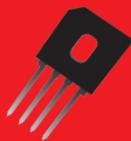


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.976	0.992	24.80	25.20	
B	0.579	0.602	14.70	15.30	
C	0.154	0.161	3.90	4.10	
D	0.173	0.189	4.40	4.80	
E	0.134	0.150	3.40	3.80	
F	0.122	0.134	3.10	3.40	Φ
G	0.130	0.146	3.30	3.70	
H	0.035	0.043	0.90	1.10	
I	0.059	0.075	1.50	1.90	
J	0.669	0.709	17.00	18.00	
K	0.287	0.303	7.30	7.70	
L	0.098	0.114	2.50	2.90	
M	0.024	0.031	0.60	0.80	
N	0.366	0.413	9.30	10.50	
O	0.118 X 45°		3.0 X 45°		
P	0.122	0.134	3.10	3.40	Φ

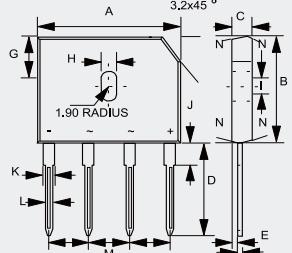
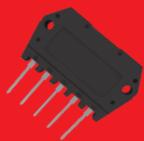
## Package Outline

## Package Outline

### GBU



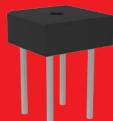
### TSB-5



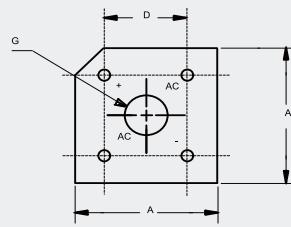
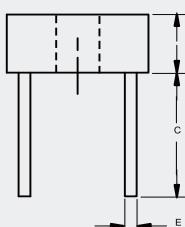
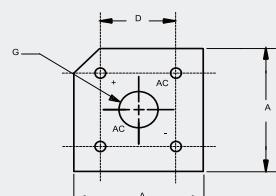
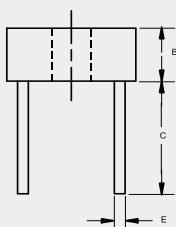
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.860	0.880	21.80	22.30	
B	0.720	0.740	18.30	18.80	
C	0.130	0.142	3.30	3.60	
D	0.690	0.717	17.50	18.20	
E	0.030	0.039	0.76	1.00	
F	0.018	0.024	0.46	0.60	
G	0.290	0.310	7.40	7.90	
H	0.140	0.160	3.50	4.10	
I	0.065	0.085	1.65	2.16	
J	0.060	0.096	1.52	2.45	
K	0.077	0.098	1.95	2.50	
L	0.040	0.050	1.02	1.27	
M	0.190	0.210	4.83	5.33	
N	7.0°		TYP.		

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.834	1.874	46.60	47.60	
B	1.555	1.579	39.50	40.10	
C	0.185	0.209	4.70	5.30	
D	0.433	0.457	11.00	11.60	
E	0.157	0.177	4.00	4.50	
F	1.134	1.173	28.80	29.80	
G	0.118	0.126	3.00	3.20	
H	0.677	0.701	17.20	17.80	
I	0.075	0.083	1.90	2.10	
J	0.039	0.047	1.00	1.20	
K	0.035	0.043	0.90	1.10	
L	0.024	0.031	0.60	0.80	
M	0.296	0.304	7.52	7.72	
N	1.193	1.232	30.30	31.30	

### PB-6



### PB-10

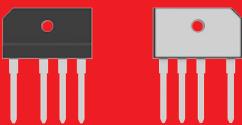


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.578	0.619	14.69	15.71	2PL
B	0.230	0.270	5.84	6.86	
C	0.752	--	19.10	--	
D	0.405	0.445	10.29	11.31	2PL
E	0.038	0.042	0.97	1.07	4PL/TY
G	0.145	--	3.70	--	Φ

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.730	0.770	18.50	19.56	2PL
B	0.250	0.300	6.35	7.60	
C	0.750	--	19.10	--	
D	0.480	0.520	12.20	13.20	2PL
E	0.050		1.27		4PL/TYP
G	HOLE FOR NO 6 SCREW			Φ	

Package Outline

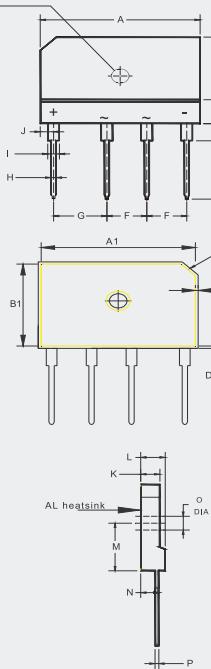
PB



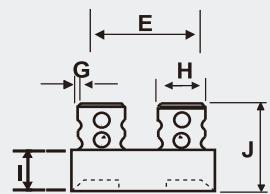
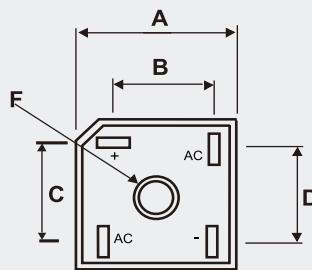
GBPC



HOLE FOR NO. 6 SCREW



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.169	1.193	29.70	30.30	
B	0.776	0.799	19.70	20.30	
C	0.669	0.709	17.00	18.00	
D	0.189	0.228	4.80	5.80	
E	0.150	0.165	3.80	4.20	
F	0.287	0.303	7.30	7.70	
G	0.386	0.402	9.80	10.20	
H	0.035	0.043	0.90	1.10	
I	0.079	0.094	2.00	2.40	
J	0.091	0.106	2.30	2.70	
K	0.134	0.150	3.40	3.80	
L	0.173	0.189	4.40	4.80	
M	0.425	0.441	10.80	11.20	
N	0.122	0.146	3.10	3.70	
O	0.122	0.134	3.10	3.40	
P	0.024	0.031	0.60	0.80	
A1	1.136	1.144	28.85	29.05	
B1	0.742	0.750	18.85	19.05	
C1	0.016	0.024	0.40	0.60	
D1	0.016	0.024	0.40	0.60	



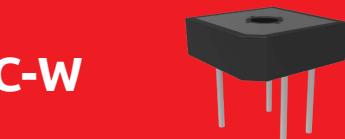
DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.114	1.134	28.30	28.80	
B	0.634	0.673	16.10	17.10	
C	0.634	0.673	16.10	17.10	
D	0.543	0.583	13.80	14.80	
E	0.693	0.732	17.60	18.60	
F	0.197		5.00		Φ(Nom.)
G	0.030	0.034	0.76	0.86	
H	0.244	0.256	6.20	6.50	
I	0.291	0.335	7.40	8.50	
J	0.740	0.850	18.80	21.60	

GBPC-H



GBPC-W



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.114	1.134	28.30	28.80	
B	0.634	0.673	16.10	17.10	
C	0.634	0.673	16.10	17.10	
D	0.543	0.583	13.80	14.80	
E	0.693	0.732	17.60	18.60	
F	0.197		5.00		Φ(Nom.)
G	0.030	0.034	0.76	0.86	
H	0.244	0.256	6.20	6.50	
I	0.291	0.335	7.40	8.50	
J	0.874	0.953	22.20	24.20	

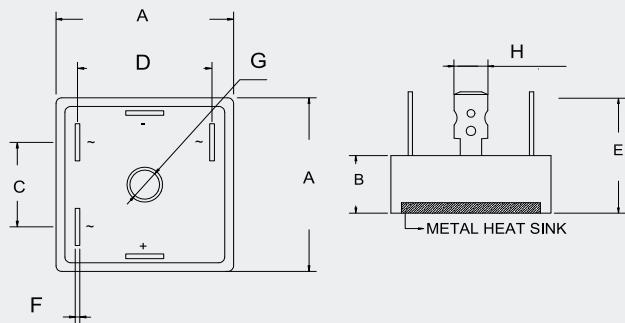
DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.110	1.142	28.20	29.00	
B	0.425	0.445	10.80	11.30	
C	0.673	0.752	17.10	19.10	
D	0.410	0.490	10.40	12.40	
E	1.180	--	30.00	--	
H	0.038	0.042	0.97	1.07	
G	0.200	0.220	5.08	5.59	

## Package Outline

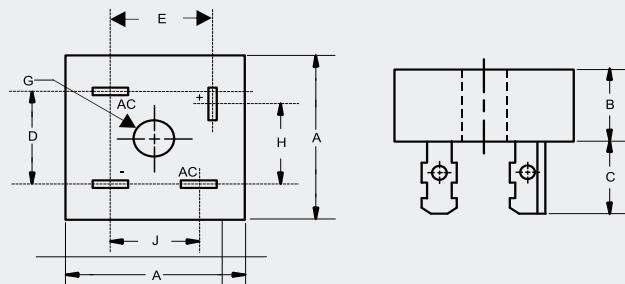
## Package Outline

**MT-35A**



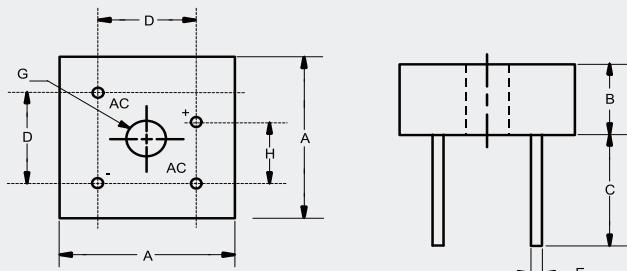
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.110	1.134	28.20	28.80	
B	0.354	0.394	9.00	10.00	
C	0.610	0.650	15.50	16.50	
D	0.917	0.957	23.30	24.30	
E	0.944		25.00		TYP.
F	0.029	0.033	0.75	0.85	
G	0.193		4.90		TYP.
H	0.244	0.251	6.20	6.40	

**MB-35**



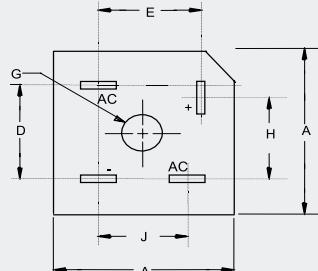
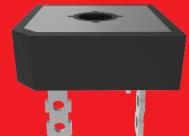
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.110	1.135	28.20	28.83	
B	0.425	0.447	10.80	11.35	
C	0.421	0.480	10.70	12.20	
D	0.673	0.751	17.10	19.10	
E	0.602	0.681	15.30	17.30	
G	0.193	---	4.90	--	Φ
H	0.602	0.681	15.30	17.30	
J	0.519	0.598	13.20	15.20	

**MB-35W**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.115	1.135	28.33	28.83	
B	0.427	0.447	10.85	11.35	
C	0.774	--	19.65	---	
D	0.673	0.752	17.10	19.10	
E	0.038	0.042	0.96	1.07	4PL/TYP
G	0.193	--	4.90	---	Φ
H	0.429	0.469	10.90	11.90	

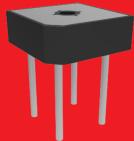
**MP-50**



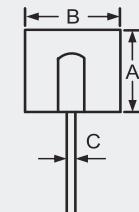
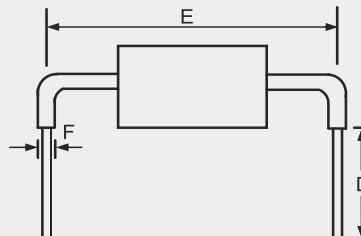
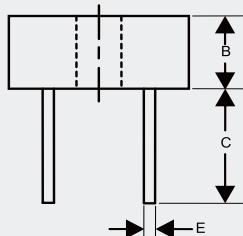
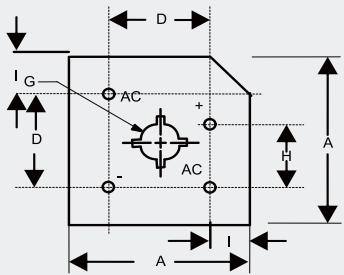
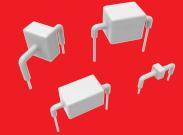
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.110	1.140	28.20	29.00	
B	0.425	0.442	10.80	11.23	
C	0.468	0.558	11.89	14.17	
D	0.689	0.728	17.50	18.50	
E	0.618	0.657	15.70	16.70	
G	0.193	---	4.90	--	Φ
H	0.618	0.657	15.70	16.70	
J	0.531	0.571	13.50	14.50	

Package Outline

**MP-50W**



**AK**



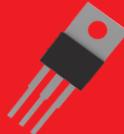
DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.118	1.130	28.40	28.70	
B	0.432	0.442	10.97	11.23	
C	0.769	—	19.53	—	
D	0.673	0.752	17.10	19.10	
E	0.038	0.042	0.97	1.07	4PL/TYP
G	0.193	—	4.90	—	Φ
H	0.429	0.468	10.90	11.90	
I	0.169	0.236	4.30	6.00	

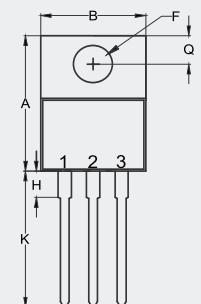
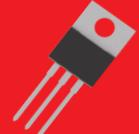
DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	----	0.630	----	16.00	
B	----	0.709	----	18.00	
C	0.047	0.052	1.20	1.32	
D	0.197	----	5.00	----	
E	0.922	0.979	23.43	24.87	
F	----	0.157	----	4.00	

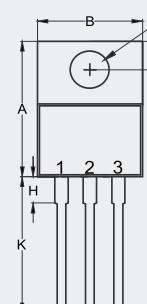
**TO-220**



**TO-220AB**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.560	0.625	14.22	15.88	
B	0.380	0.420	9.65	10.67	
C	0.140	0.190	3.56	4.82	
D	0.020	0.045	0.51	1.14	
F	0.139	0.161	3.53	4.09	Φ
G	0.090	0.110	2.29	2.79	
H	----	0.250	----	6.35	
J	0.012	0.025	0.30	0.64	
K	0.500	0.580	12.70	14.73	
L	0.045	0.060	1.14	1.52	
N	0.190	0.210	4.83	5.33	
Q	0.100	0.135	2.54	3.43	
R	0.080	0.115	2.04	2.92	
S	0.045	0.055	1.14	1.39	
T	0.230	0.270	5.84	6.86	
U	----	0.050	----	1.27	
V	0.045	----	1.15	----	

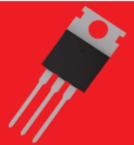


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.560	0.625	14.22	15.88	
B	0.380	0.429	9.65	10.90	
C	0.140	0.201	3.56	5.10	
D	0.020	0.045	0.51	1.14	
F	0.131	0.170	3.34	4.31	Φ
G	0.079	0.121	2.01	3.07	
H	----	0.250	----	6.35	
J	0.011	0.025	0.28	0.64	
K	0.500	0.580	12.70	14.73	
L	0.045	0.060	1.14	1.52	
N	0.158	0.242	4.02	6.14	
Q	0.087	0.135	2.22	3.43	
R	0.080	0.126	2.04	3.19	
S	0.045	0.055	1.14	1.39	
T	0.230	0.270	5.84	6.86	
U	----	0.050	----	1.27	
V	0.045	----	1.15	----	

## Package Outline

## Package Outline

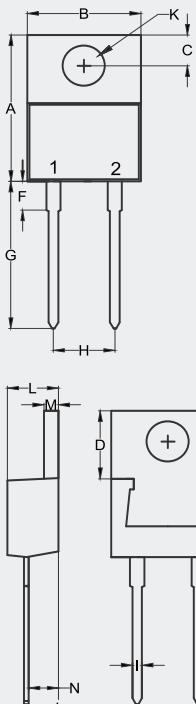
**TO-220AB(H)**



**TO-220AC**



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.172	0.188	4.37	4.77	
B	0.049	0.057	1.25	1.45	
C	0.246	0.270	6.25	6.85	
D	0.594	0.634	15.10	16.10	
E	0.382	0.406	9.70	10.30	
F	0.346	0.370	8.80	9.40	
G	0.102	0.118	2.60	3.00	
H	0.087	0.102	2.20	2.60	
J	-----	0.134	-----	3.40	
K	0.046	0.058	1.17	1.47	
L	0.028	0.037	0.70	0.95	
M	0.200 BSC	5.08 BSC			
N	0.100 BSC	2.54 BSC			
O	0.502	0.543	12.75	13.80	
P	0.134	0.150	3.40	3.80	Φ
Q	0.016	0.026	0.40	0.65	
R	0.276	-----	7.00	-----	
S	0.217	-----	5.50	-----	



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.560	0.625	14.22	15.88	
B	0.380	0.420	9.65	10.67	
C	0.100	0.135	2.54	3.43	
D	0.230	0.270	5.84	6.86	
F	-----	0.250	-----	6.35	
G	0.500	0.580	12.70	14.73	
H	0.190	0.210	4.83	5.33	
I	0.020	0.045	0.51	1.14	
J	0.012	0.025	0.30	0.64	
K	0.139	0.161	3.53	4.09	Φ
L	0.140	0.190	3.56	4.83	
M	0.045	0.055	1.14	1.40	
N	0.080	0.115	2.03	2.92	

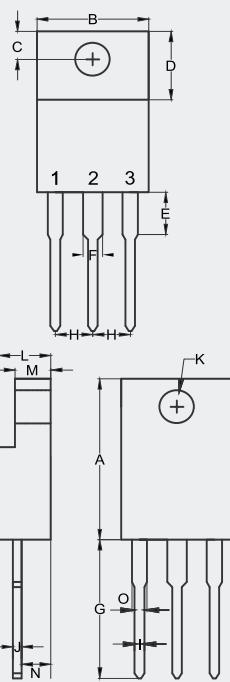
**TO-220F**



**ITO-220AB**



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.392	0.421	9.96	10.70	
B	0.138	-----	3.50	-----	Φ
C	0.106	-----	2.70	-----	TYP.
D	0.567	0.642	14.40	16.30	
E	0.520	-----	13.20	-----	TYP.
F	---	0.177	---	4.50	
G	0.100	-----	2.54	-----	TYP.
H	0.020	0.035	0.50	0.90	
J	0.043	0.053	1.10	1.35	
M	0.169	0.201	4.30	5.10	
N	---	0.140	---	3.56	
P	0.083	0.126	2.10	3.20	
Q	0.020	0.032	0.50	0.80	



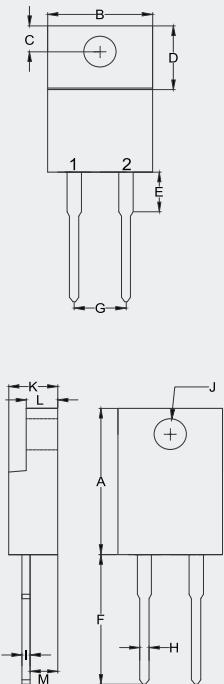
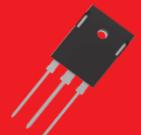
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.567	0.642	14.40	16.30	
B	-----	0.421	-----	10.70	
C	0.085	0.128	2.15	3.25	
D	0.248	0.272	6.30	6.90	
E	-----	0.177	-----	4.50	
F	-----	0.071	-----	1.80	
G	0.500	0.539	12.70	14.20	
H	0.100	-----	2.55	-----	
I	-----	0.035	-----	0.90	
J	-----	0.032	-----	0.80	
K	0.102	0.150	2.60	3.80	Φ
L	-----	0.201	-----	5.10	
M	-----	0.140	-----	3.56	
N	0.083	0.126	2.10	3.20	
O	-----	0.071	-----	1.80	

Package Outline

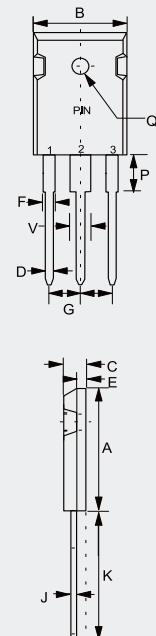
**ITO-220AC**



**TO-247**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.567	0.606	14.40	15.40	
B	—	0.406	—	10.30	
C	0.100	0.112	2.55	2.85	
D	0.248	0.272	6.30	6.90	
E	—	0.161	—	4.10	
F	0.500	0.543	12.70	13.80	
G	0.200		5.10		
H	—	0.035	—	0.90	
I	—	0.032	—	0.80	
J	0.102	0.134	2.60	3.40	Φ
K	—	0.189	—	4.80	
L	—	0.123	—	3.10	
M	0.098	0.114	2.50	2.90	

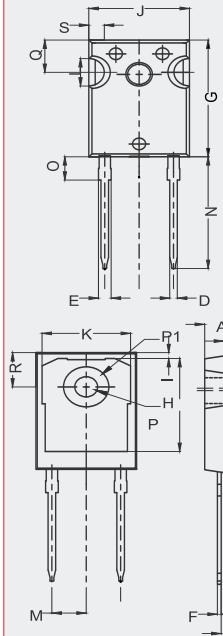


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
	0.787	0.866	20.00	22.00	
A	0.787	0.866	20.00	22.00	
B	0.598	0.638	15.20	16.20	
C	0.185	0.208	4.70	5.30	
D	0.035	0.059	0.90	1.50	
E	0.059	0.094	1.50	2.40	
F	0.067	0.091	1.70	2.30	
J	0.019	0.031	0.48	0.80	
K	0.748	0.833	19.00	21.15	
P	0.122	0.189	3.10	4.80	
Q	0.118	0.150	3.00	3.80	Φ
V	0.106	0.134	2.70	3.40	
G	0.197	0.224	5.00	5.70	

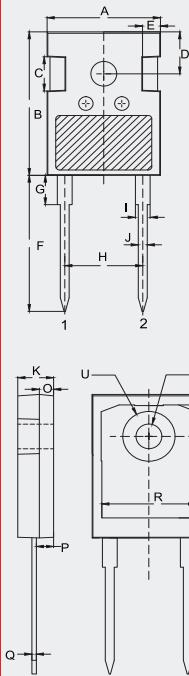
**TO-247-2L**



**TO-247AD**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.190	0.205	4.83	5.21	
B	0.090	0.100	2.29	2.55	
C	0.059	0.098	1.50	2.49	
D	0.044	0.052	1.12	1.33	
E	0.075	0.094	1.91	2.39	
F	0.022	0.027	0.55	0.69	
G	0.819	0.831	20.80	21.10	
H	0.640	0.695	16.25	17.65	
I	0.020	0.053	0.51	1.35	
J	0.620	0.635	15.75	16.13	
K	0.530	0.557	13.46	14.16	
L	0.170	0.216	4.32	5.49	
M	0.214		5.44		TYP
N	0.780	0.800	19.81	20.32	
O	0.161	0.173	4.10	4.40	
P	0.140	0.144	3.56	3.65	Φ
P1	0.283		7.19		Φ
Q	0.212	0.244	5.39	6.20	
R	0.238	0.248	6.04	6.30	
S	0.085	0.108	2.16	2.75	

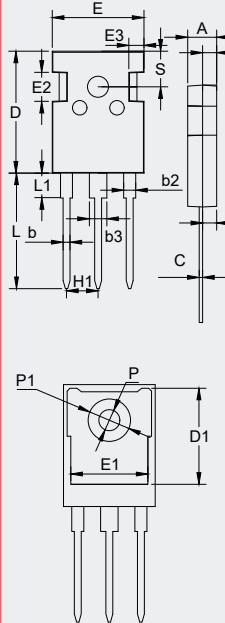
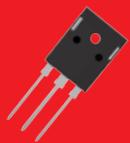


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.610	0.663	15.50	16.85	
B	0.815	0.839	20.70	21.30	
C	0.189	0.205	4.80	5.20	
D	0.242		6.15		BSC.
E	0.091	0.106	2.30	2.70	
F	0.772	0.796	19.62	20.22	
G	—	0.169	—	4.30	
H	0.428		10.88		BSC.
I	0.075	0.087	1.91	2.21	
J	0.044	0.054	1.11	1.36	
K	0.189	0.205	4.80	5.20	
O	0.073	0.085	1.85	2.15	
P	0.087	0.103	2.21	2.61	
Q	0.020	0.030	0.51	0.75	
R	0.512	0.535	13.00	13.60	
S	0.640	0.663	16.25	16.85	
T	0.134	0.150	3.40	3.80	Φ
U	—	0.287	—	7.30	Φ

## Package Outline

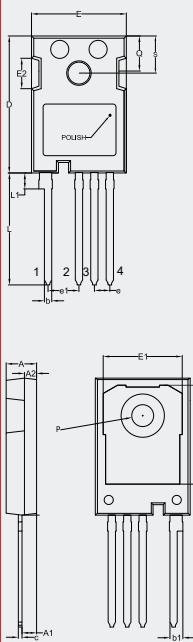
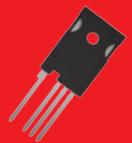
## Package Outline

**TO-247AB**



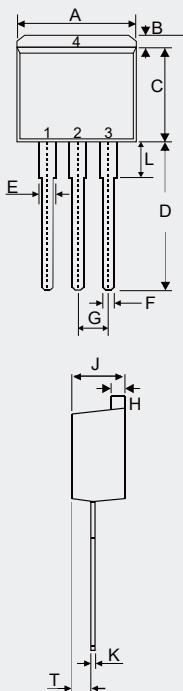
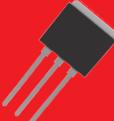
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.189	0.205	4.80	5.20	
A1	0.087	0.103	2.21	2.61	
A2	0.073	0.085	1.85	2.15	
b	0.039	0.055	1.00	1.40	
b2	0.075	0.087	1.91	2.21	
C	0.020	0.028	0.50	0.70	
D	0.815	0.839	20.70	21.30	
D1	0.640	0.663	16.25	16.85	
E	0.610	0.634	15.50	16.10	
E1	0.512	0.535	13.00	13.60	
E2	0.189	0.205	4.80	5.20	
E3	0.091	0.106	2.30	2.70	
L	0.772	0.796	19.62	20.22	
L1	-	0.169	-	4.30	
P	0.134	0.150	3.40	3.80	Φ
P1		0.287	-	7.30	Φ
S	0.242		6.15		TYP
H1	0.214		5.44		TYP
b3	0.110	0.126	2.80	3.20	

**TO-247-4**



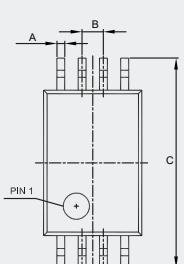
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.190	0.205	4.80	5.20	
A1	0.090	0.100	2.29	2.50	
A2	0.075	0.08G	1.88	2.08	
b	0.042	0.052	1.10	1.30	
b1	0.09H	0.1E	2.35	2.75	
b2	0.094	0.112	2.39	2.84	
c	0.022	0.027	0.55	0.68	
D	0.917	0.929	23.30	23.60	
D1	0.640	0.61 H	16.25	11 E	
E	0.620	0.63G	15.75	16. E	
E1	0.51 H	0.55J	13. I 0	14. G E	
E2	0.11 H	0.201	I E	5.10	
e	0.100		2.54		
L	0.68H	0.1 J I	17.3I	17. I I	
L1	0.15I	0.11 J	I E	4.3	
P	0.138	0.144	3.51	3.65	Φ
Q	0.20E	0.236	5.1 E	6.00	
S	0.238	0.248	6.04	6.30	

**TO-262L**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.394	0.405	10.00	10.30	
B	0.043	0.059	1.10	1.50	
C	0.323	0.346	8.20	8.80	
D	0.512	0.551	13.00	14.00	
E	0.047	0.051	1.20	1.30	
F	0.028	0.035	0.70	0.90	
G	0.100		2.54		TYP.
H	0.047	0.055	1.20	1.40	
J	0.177	0.185	4.50	4.70	
K	0.014	0.019	0.35	0.47	
L	0.154	0.161	3.90	4.10	
T	0.059	0.067	1.50	1.70	

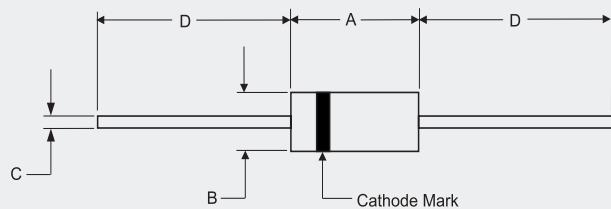
**TSSOP-8**



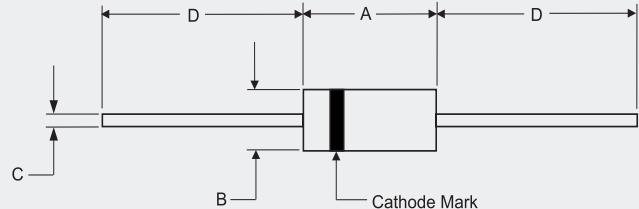
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.007	0.012	0.19	0.30	
B	0.026		0.65		TYP.
C	0.246	0.258	6.25	6.55	
D	0.114	0.122	2.90	3.10	
E	0.169	0.177	4.30	4.50	
F	---	0.047	---	1.20	
G	0.031	0.039	0.80	1.00	
H	0.020	0.028	0.50	0.70	
J	0.004	0.008	0.09	0.20	
K	0.002	0.006	0.05	0.15	
L	0.010		0.25		TYP.

Package Outline

**A-405**



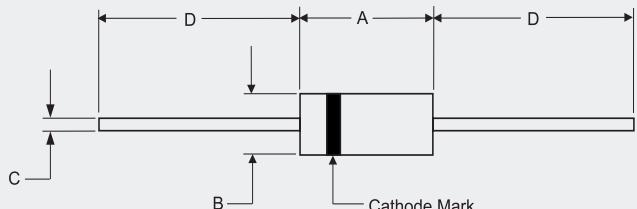
**DO-15**



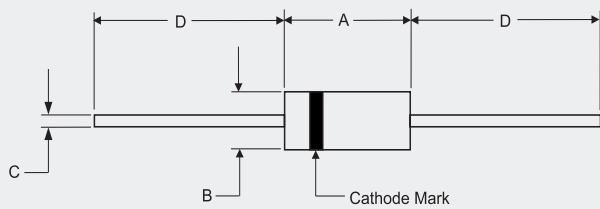
DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	0.166	0.205	4.10	5.20			
B	0.080	0.107	2.00	2.70			
C	---	0.024	---	0.60			
D	1.000	---	25.40	---			

DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	0.230	0.300	5.80	7.60			
B	0.104	0.140	2.60	3.60			
C	0.026	0.034	0.70	0.90			
D	1.000	---	25.40	---			

**DO-201AD**



**DO-201AE**



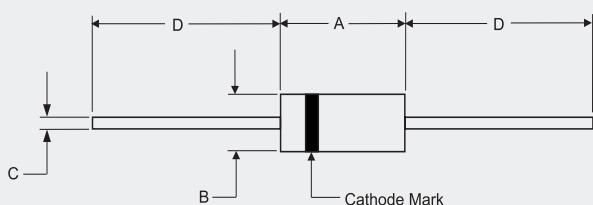
DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	0.230	0.300	5.80	7.60			
B	0.104	0.140	2.60	3.60			
C	0.026	0.034	0.70	0.90			
D	1.000	---	25.40	---			

DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
A	---	0.370	---	9.50			
B	---	0.209	---	5.30			
C	0.038	0.042	0.96	1.06			
D	1.000	---	25.40	---			

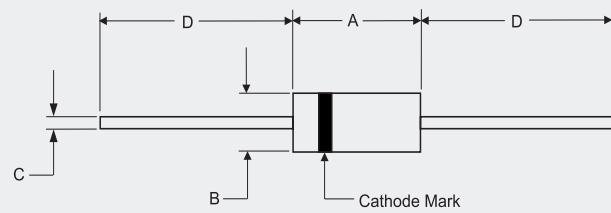
## Package Outline

## Package Outline

**DO-41**



**R-3**



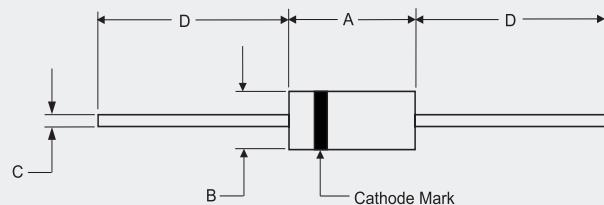
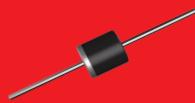
**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.160	0.205	4.10	5.20	
B	0.080	0.107	2.00	2.70	Diameter
C	0.028	0.034	0.71	0.86	Diameter
D	1.000	---	25.40	---	

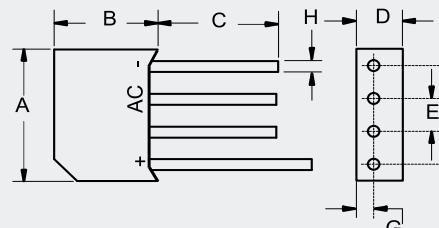
**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	0.160	---	4.10	
B	---	0.160	---	4.10	
C	0.040	0.042	1.01	1.07	
D	1.000	---	25.40	---	

**R-6**



**RS-4L**



**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.340	0.360	8.60	9.10	
B	0.340	0.360	8.60	9.10	
C	0.048	0.052	1.20	1.30	
D	1.000	---	25.40	---	

**DIMENSIONS**

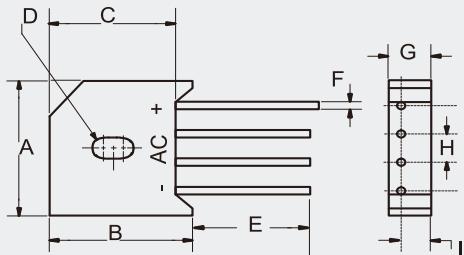
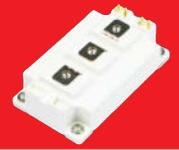
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.728	0.768	18.50	19.50	
B	0.600	0.640	15.20	16.30	
C	0.630	---	16.00	---	
D	0.217	0.256	5.50	6.50	
E	0.180	0.220	4.60	5.60	
G	---	0.083	---	2.10	
H	0.048	0.052	1.20	1.30	

Package Outline

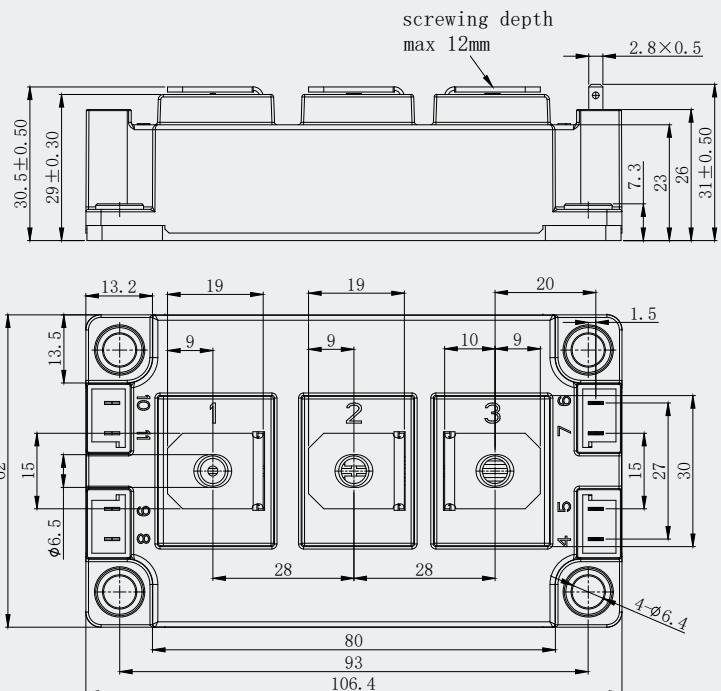
**RS-6**



**C2**



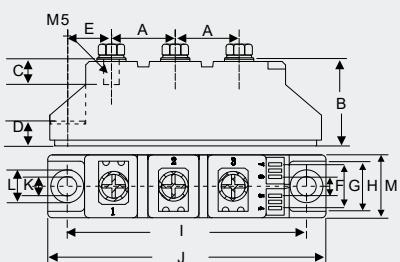
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.895	0.935	22.70	23.70	
B	—	0.760	—	19.30	
C	0.660	0.728	16.80	18.50	
D	0.15Ø X 0.23L	3.8Ø X 5.57L			HOLE
E	0.787	---	20.00	—	
F	0.048	0.052	1.20	1.30	
G	0.260	0.280	6.60	7.10	
H	0.180	0.220	4.60	5.60	
I	0.181	0.205	4.60	5.20	



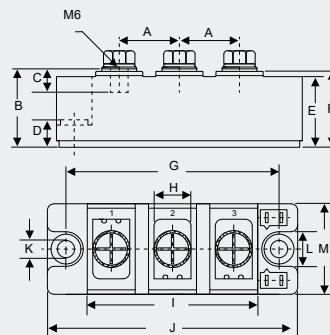
**D1**



**D2**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.768	0.807	19.50	20.50	
B	1.161	1.201	29.50	30.50	
C	0.335	0.374	8.50	9.50	
D	0.315	0.354	8.00	9.00	
E	0.594	0.630	15.10	16.00	
F	0.217	0.256	5.50	6.50	
G	0.531	0.571	13.50	14.50	
H	0.650	0.689	16.50	17.50	
I	3.130	3.169	79.50	80.50	
J	3.642	3.681	92.50	93.50	
K	0.256		6.50		Φ
L	0.413	0.453	10.50	11.50	
M	0.807	0.846	20.50	21.50	

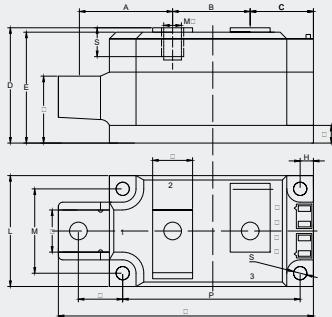


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.886	0.925	22.50	23.50	
B	1.161	1.201	29.50	30.50	
C	0.335	0.374	8.50	9.50	
D	0.315	0.350	8.00	8.90	
E	1.043	1.083	26.50	27.50	
F	1.122	1.161	28.50	29.50	
G	3.130	3.169	79.50	80.50	
H	0.492	0.531	12.50	13.50	
I	2.500	2.539	63.50	64.50	
J	3.681	3.720	93.50	94.50	
K	0.256		6.50		Φ
L	0.492	0.531	12.50	13.50	
M	1.319	1.358	33.50	34.50	

## Package Outline

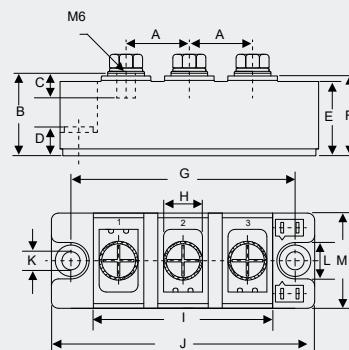
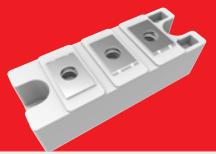
## Package Outline

**D3**



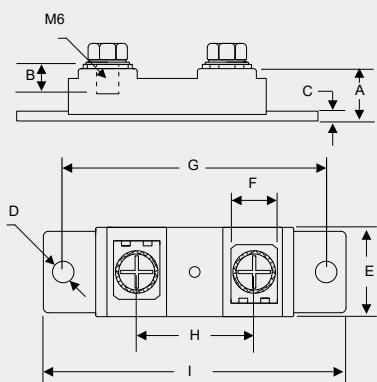
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.654	1.693	42.00	43.00	
B	1.358	1.398	34.50	35.50	
C	1.102	1.142	28.00	29.00	
D	2.028	2.067	51.50	52.50	
E	1.909	1.988	48.50	50.50	
F	1.240	1.280	31.50	32.50	
G	0.295	0.335	7.50	8.50	
H	0.217	0.256	5.50	6.50	
K	0.689	0.728	17.50	18.50	
L	1.791	1.988	45.50	50.50	
M	1.476	1.516	37.50	38.50	
N	0.728	0.768	18.50	19.50	
O	0.768	0.807	19.50	20.50	
P	3.130	3.169	79.50	80.50	
Q	4.508	4.547	114.50	115.50	
R	0.236	0.276	6.00	7.00	Ø
S	0.492	0.632	12.50	13.50	

**F2**



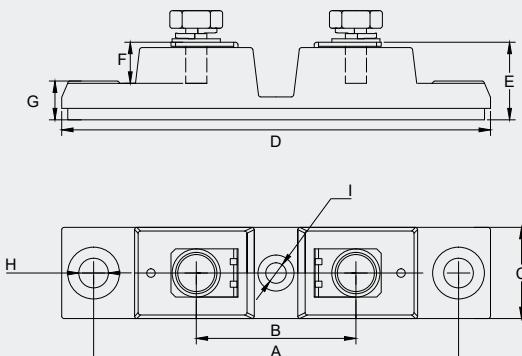
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.886	0.925	22.50	23.50	
B	1.161	1.201	29.50	30.50	
C	0.335	0.374	8.50	9.50	
D	0.315	0.350	8.00	8.90	
E	1.043	1.083	26.50	27.50	
F	1.122	1.161	28.50	29.50	
G	3.130	3.169	79.50	80.50	
H	0.492	0.531	12.50	13.50	
I	2.500	2.539	63.50	64.50	
J	3.681	3.720	93.50	94.50	
K	0.256		6.50		Φ
L	0.492	0.531	12.50	13.50	
M	1.319	1.358	33.50	34.50	

**F3**



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.618	0.642	15.50	16.50	
B	0.343	0.366	8.50	9.50	
C	0.118	0.130	2.80	3.50	
D	0.256		6.50		Φ
E	1.051	1.075	26.50	27.50	
F	0.539	0.563	13.50	14.50	
G	3.138	3.161	79.50	80.50	
H	1.366	1.390	34.50	35.50	
I	3.610	3.634	91.50	92.50	

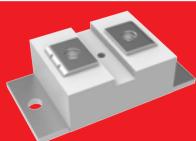
**F4N**



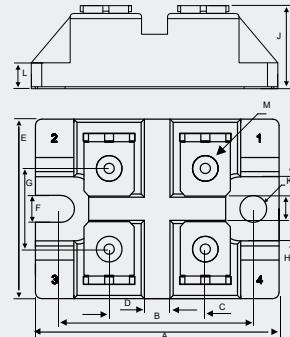
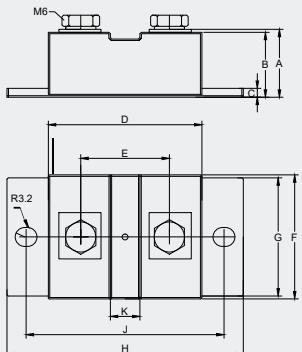
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	3.130	3.169	79.50	80.50	
B	1.358	1.398	34.50	35.50	
C	0.768	0.807	19.50	20.50	
D	3.681	3.720	93.50	94.50	
E	0.649	0.689	16.50	17.50	
F	0.217	0.256	5.50	6.50	
G	0.315	0.354	8.00	9.00	
H	0.236	0.276	6.00	7.00	
I	0.157	0.197	4.00	5.00	

Package Outline

**F6**



**FJ**



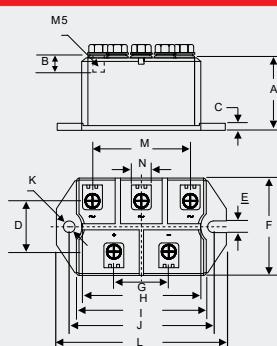
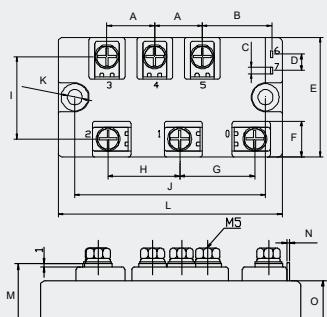
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.886	0.925	22.50	23.50	
B	0.846	0.886	21.50	22.50	
C	0.114	0.120	2.90	3.05	
D	2.028	2.067	51.50	52.50	
E	1.173	1.189	29.80	30.20	
F	1.634	1.673	41.50	42.50	
G	1.555	1.594	39.50	40.50	
H	3.130	3.169	79.50	80.50	
J	2.630	2.669	66.80	67.80	
K	0.394		10.00		
R	0.126		3.20		Φ

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.484	1.508	37.50	38.50	
B	1.169	1.193	29.50	30.50	
C	0.579	0.602	14.50	15.50	
D	0.146	0.169	3.50	4.50	
E	1.091	1.114	27.50	28.50	
F	0.154	0.177	3.70	4.70	
G	0.484	0.508	12.10	13.10	
H	0.382	0.406	9.50	10.50	
I	0.130	0.154	3.10	4.10	
J	0.492	0.516	12.30	13.30	
K	0.165		4.20		Φ
L	0.146	0.169	3.50	4.50	
M	0.157		4.00		Φ

**L1**



**M2**



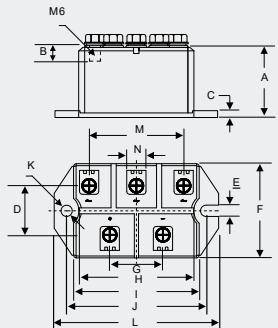
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.776	0.799	19.50	20.50	
B	1.169	1.193	28.50	29.50	
C	0.098	0.122	2.30	3.30	
D	0.264	0.287	6.50	7.50	
E	1.960	1.980	49.50	50.50	
F	0.578	0.602	14.50	15.50	
G	1.248	1.272	31.50	32.50	
H	1.169	1.193	29.50	30.50	
I	1.327	1.350	33.50	34.50	
J	3.138	3.161	79.50	80.50	
K	0.256		6.50		Φ
L	3.689	3.713	93.50	94.50	
M	0.854	0.878	21.50	22.50	
N	0.020	0.043	0.30	1.30	
O	0.610	0.634	15.30	16.30	

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.161	1.201	29.50	30.50	
B	0.256	0.295	6.50	7.50	
C	0.110	0.138	2.80	3.50	
D	0.831	0.870	21.10	22.10	
E	0.197	0.236	5.00	6.00	
F	1.634	1.673	41.50	42.50	
G	0.886	0.925	22.50	23.50	
H	1.870	1.909	47.50	48.50	
I	2.106	2.146	53.50	54.50	
J	2.343	2.382	59.50	60.50	
K	0.217		5.50		Φ
L	2.815	2.854	71.50	72.50	
M	1.555	1.594	39.50	40.50	
N	0.335	0.374	8.50	9.50	

## Package Outline

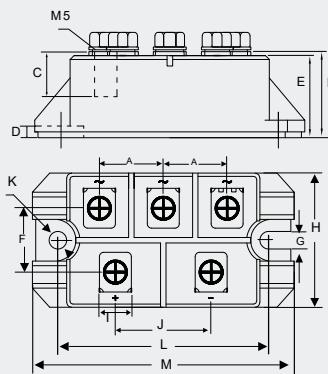
## Package Outline

**M3**



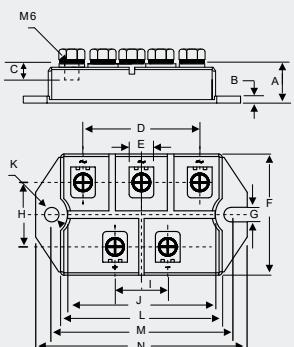
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.161	1.201	29.50	30.50	
B	0.256	0.295	6.50	7.50	
C	0.110	0.138	2.80	3.50	
D	1.043	1.083	26.50	27.50	
E	0.236	0.276	6.00	7.00	
F	2.106	2.146	53.50	54.50	
G	0.965	1.004	24.50	25.50	
H	2.579	2.618	65.50	66.50	
I	2.815	2.854	71.50	72.50	
J	3.130	3.169	79.50	80.50	
K	0.256		6.50		Φ
L	3.681	3.720	93.50	94.50	
M	2.028	2.067	51.50	52.50	
N	0.453	0.492	11.50	12.50	

**M4**



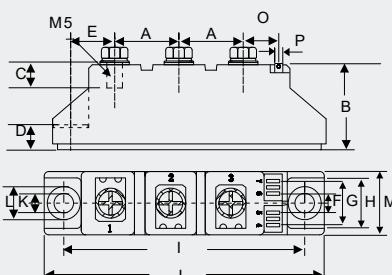
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.768	0.807	19.50	20.50	
B	0.846	0.886	21.50	22.50	
C	0.433	0.472	11.00	12.00	
D	0.098	0.138	2.50	3.50	
E	0.807	0.846	20.50	21.50	
F	0.768	0.807	19.50	20.50	
G	0.197	0.236	5.00	6.00	
H	1.634	1.673	41.50	42.50	
I	0.374	0.413	9.50	10.50	
J	1.161	1.201	29.50	30.50	
K	0.217		5.50		Φ
L	2.579	2.618	65.50	66.50	
M	3.209	3.248	81.50	82.50	

**M5**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.650	0.689	16.50	17.50	
B	0.098	0.138	2.50	3.50	
C	0.256	0.295	6.50	7.50	
D	2.028	2.067	51.50	52.50	
E	0.453	0.492	11.50	12.50	
F	2.106	2.146	53.50	54.50	
G	0.236	0.276	6.00	7.00	
H	1.043	1.083	26.50	27.50	
I	0.965	1.004	24.50	25.50	
J	2.579	2.618	65.50	66.50	
K	0.256		6.50		Φ
L	2.815	2.854	71.50	72.50	
M	3.130	3.169	79.50	80.50	
N	3.681	3.720	93.50	94.50	

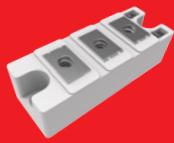
**T1**



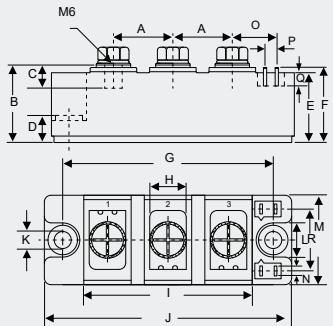
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.776	0.799	19.50	20.50	
B	1.169	1.193	29.50	30.50	
C	0.343	0.366	8.50	9.50	
D	0.323	0.346	8.00	9.00	
E	0.602	0.622	15.10	16.00	
F	0.224	0.248	5.50	6.50	
G	0.539	0.563	13.50	14.50	
H	0.657	0.681	16.50	17.50	
I	3.138	3.161	79.50	80.50	
J	3.650	3.673	92.50	93.50	
K	0.256		6.50		Φ
L	0.421	0.445	10.50	11.50	
M	0.815	0.839	20.50	21.50	
O	0.579	0.602	14.50	15.50	
P	0.11X0.032		2.8X0.8		

Package Outline

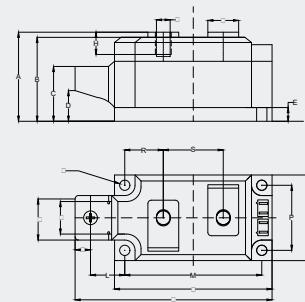
T2



T3

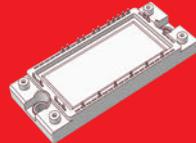


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.894	0.917	22.50	23.50	
B	1.169	1.193	29.50	30.50	
C	0.343	0.366	8.50	9.50	
D	0.323	0.343	8.00	8.90	
E	1.051	1.075	26.50	27.50	
F	1.130	1.154	28.50	29.50	
G	0.120	0.130	79.50	80.50	
H	0.500	0.524	12.50	13.50	
I	2.501	2.531	63.50	64.50	
J	3.689	3.713	93.50	94.50	
K	0.256		6.50		Φ
L	0.500	0.524	12.50	13.50	
M	1.327	1.350	33.50	34.50	
N	0.032X0.11		0.8X2.8		
O	0.677	0.700	17.00	18.00	
P	0.185	0.209	4.50	5.50	
Q	0.185	0.209	4.50	5.50	
R	0.902	0.925	22.70	23.70	

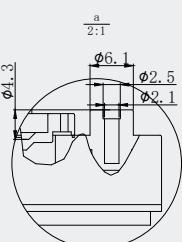
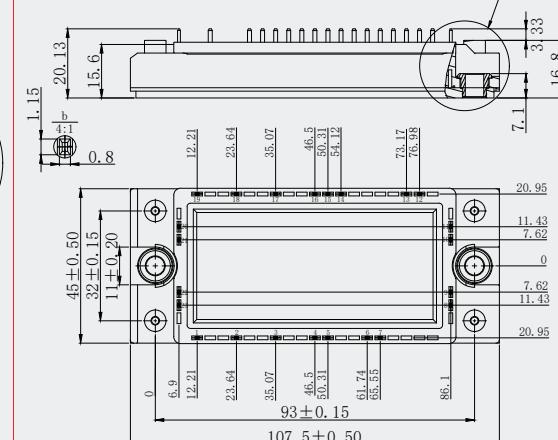
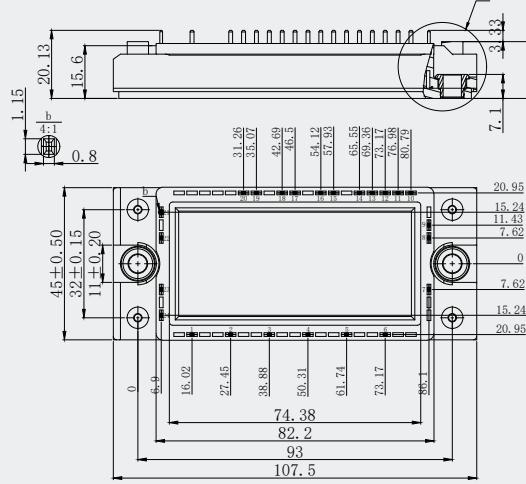
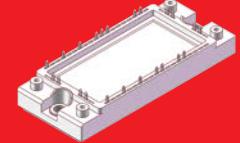


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	2.028	2.067	51.50	52.50	
B	1.909	1.949	48.50	49.50	
C	1.240	1.280	31.50	32.50	
D	0.685	0.724	17.40	18.40	
E	0.295	0.335	7.50	8.50	
F	0.295	0.335	7.50	8.50	
G	0.689	0.728	17.50	18.50	
H	0.492	0.531	12.50	13.50	
I	1.004	1.043	25.50	26.50	
J	0.728	0.768	18.50	19.50	
K	0.335	0.374	8.50	9.50	
L	0.768	0.807	19.50	20.50	
M	3.130	3.169	79.50	80.50	
N	3.602	3.642	91.50	92.50	
O	4.508	4.547	114.50	115.50	
P	1.476	1.516	37.50	38.50	
Q	1.949	1.988	49.50	50.50	
R	0.866	0.906	22.00	23.00	
S	1.358	1.398	34.50	35.50	
T	0.236		6.00		Ø

E1



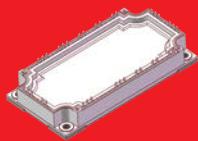
E1A



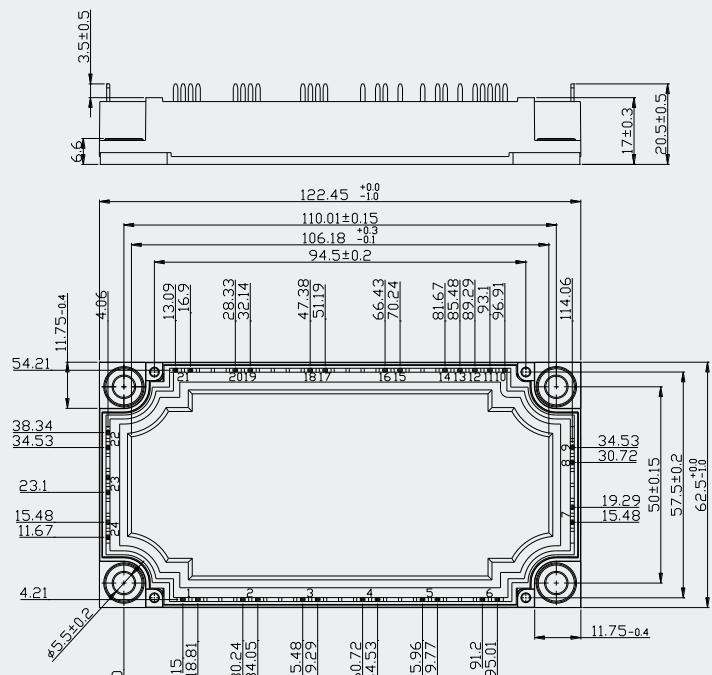
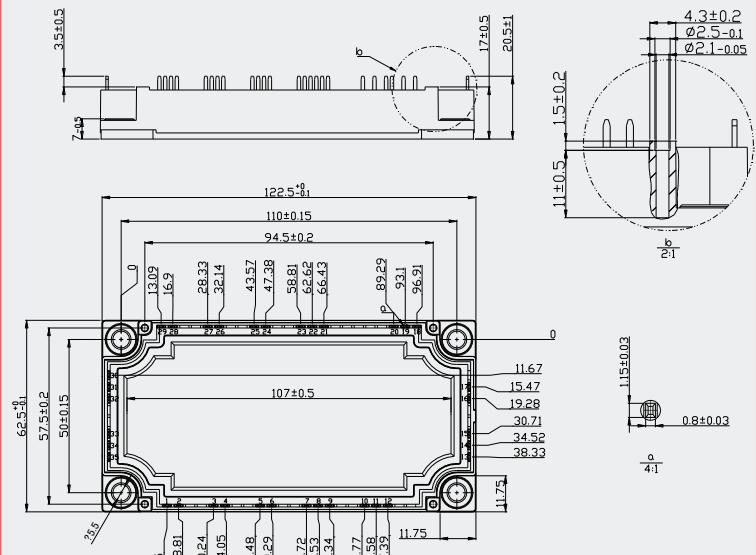
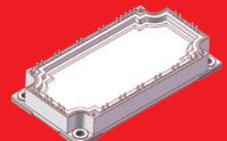
## Package Outline

## Package Outline

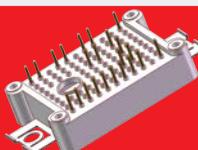
**E2**



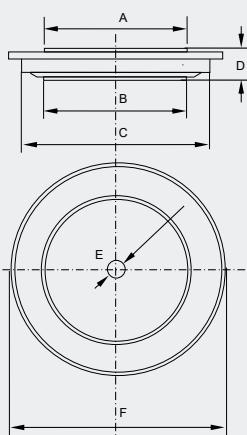
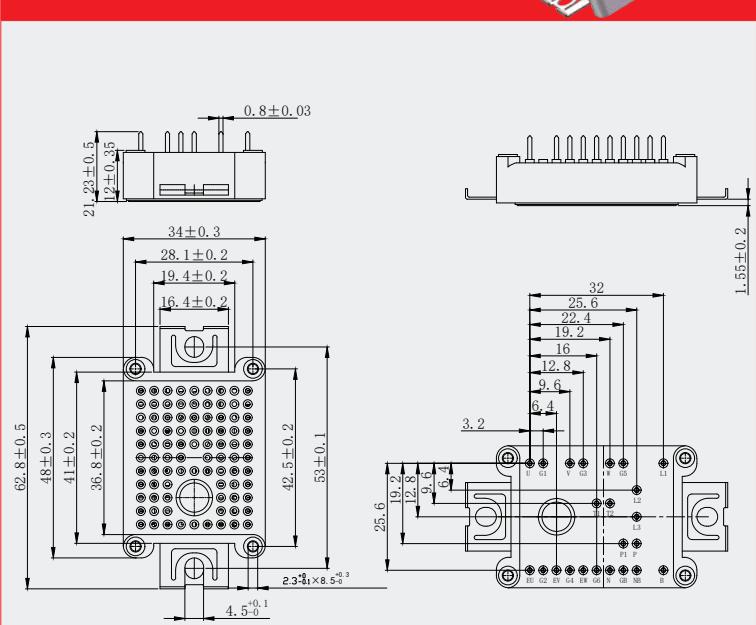
**E2A**



**P2**



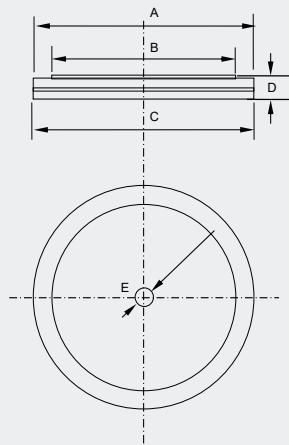
**W1**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.732		44.00		Φ
B	1.732		44.00		Φ
C	2.213		56.20		Φ
D	0.315	0.331	8.00	8.40	
E	0.138X0.059		3.5X1.5		Φ
F	-	2.402	-	61.00	Φ

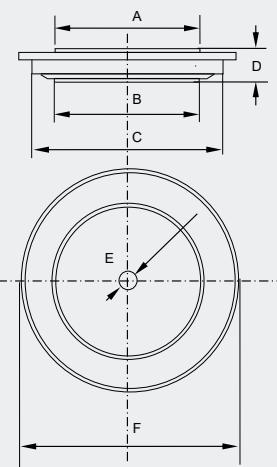
Package Outline

**W2**



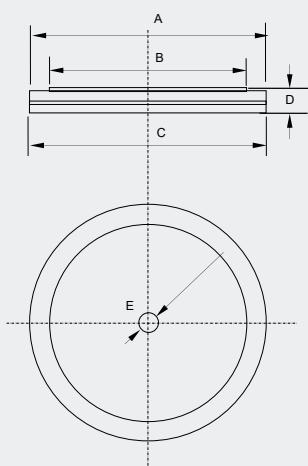
DIMENSIONS						
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX		
A	2.205		56.00		Φ	
B	1.949		49.50		Φ	
C	2.205		56.00		Φ	
D	0.197	0.213	5.00	5.40		
E	0.138X0.059		3.5X1.5		Φ	

**W3**



DIMENSIONS						
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX		
A	2.244		57.00		Φ	
B	2.244		57.00		Φ	
C	2.815		71.50		Φ	
D	0.315	0.331	8.00	8.40		
E	0.138X0.059		3.5X1.5		Φ	
F	-	2.953	-	75.00	Φ	

**W4**



DIMENSIONS						
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX		
A	2.500		63.50		Φ	
B	2.244		57.00		Φ	
C	2.500		63.50		Φ	
D	0.197	0.213	5.00	5.40		
E	0.138X0.059		3.5X1.5		Φ	