Transistors

silicon p-n-p power transistors book 1 parts 1 and 2

Outline: TO-3

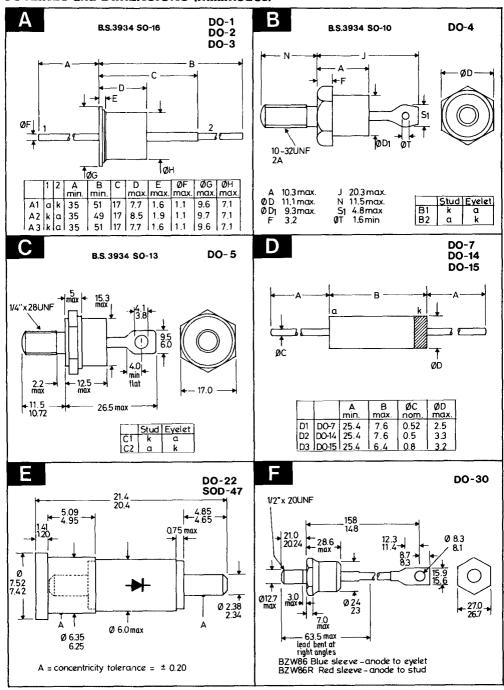
															04411101 100
 Туре	Drawing reference	V _{CBO}	Maximum Ratings V _{CEO} I _{CM} I _{C(AV)} T _j			P _{tot} T _{mb} = 25°C	h _{FE} min. max.	at I _C	f _T min.	V _{CE(sat)} max.	at I c	iß	Special Features		
No.		(V)	(V)	(A)		25°C (W)			(A)	(MHz)) (V)	(A)	(A)		
 BDX92 BDX94 BDX96	AR3	-60 -80 100	-60 -80 100	12	8	200	90	20	-	3	4	-1.0	5	1	BDX91 BDX93 BDX95 complements

silicon r.f. amplifier low power transistors

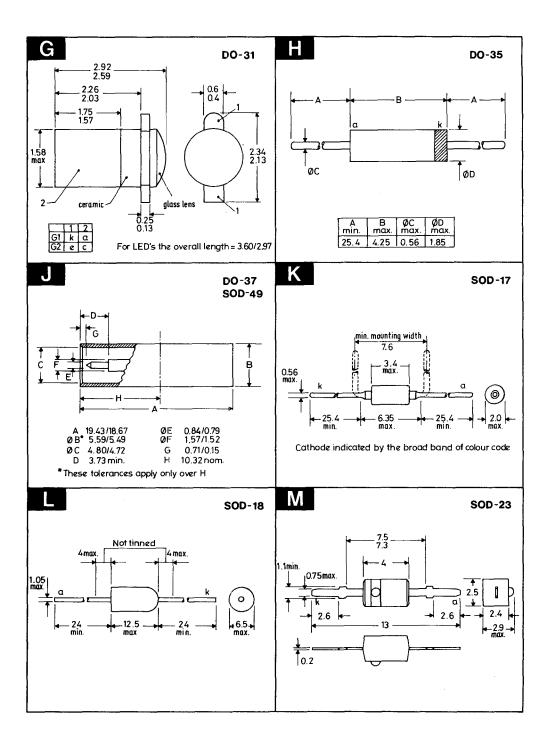
_	2	문항		M	ximun	n Ratin	gs) FE	at	fт	
Type No.	Outline	Drawing reference	V _{CBO}	V _{CEO}	I CM	I _{C(AV)}	Τį	P _{toto}	min.		I _c	min.	Special Features
	<u> </u>	Δį	(V)	(V)	(mA)	(mA)	(°C)	(mW)			(mA)) (MHz)	
-P-N TYF	PES												
BF115	TO-72	BA1	50	30	30	30	175	145	40	_	20	230*	
BF180	TO-72	BA2	30	20	20	20	175	150		-	-	675*	N < 9.5dB at 800MHz
BF181	TO-72	BA2	30	20	20	20	175	150	_	-	-	600*	N = 6.8 dB typ. at 900MHz
BF200	TO-72	BA2	30	20	20	20	175	150	15	_	3.0	270	Typ. G _{UM} at 200 MHz ≈ 22dB
BF194 BF195	SOT-25	Y2	30	20	30	30	125	220	115* 67*	=	1.0	260* 200*	N = 4dB typ. at 100MHz
BF196	SOT-25	Y2	40	30	25	25	125	250	27	_	4.0	400*	Typ. gain control range = 60dB
BF197	SOT-25	Y2	40	25	25	25	125	250	38	_	7.0	550*	Typ. G _{UM} at 45MHz = 41dB
BF362 BF363	SOT-37	Z 1	30	20	20	20	125	120	20	-	3.0	800* 600	N = 5dB typ. at 800MHz
BF480	SOT-37	Z 1	20	15	30	20	125	140	10	_	10	1600*	N = 3.3dB typ at 800 MHz
BFT24	SOT-37	Z2	8	5	5	2.5	150	30	20	40*	1.0	1200	N = 3.8dB at 500MHz
N-P TYP	ES												
BF324	TO-92	8B1	-30	-30	-	25	150	250	25	-	4.0	450*	N = 3dB typ at f = 100MHz
BF450 BF451	TO-92	BB2	-40	-40	-	25	150	250	60 30	_	1.0	325*	

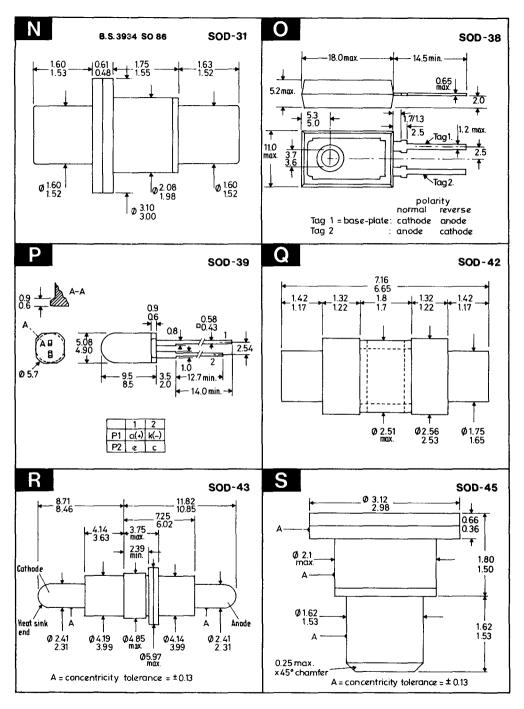
^{*}Typical

OUTLINES and DIMENSIONS (millimetres)

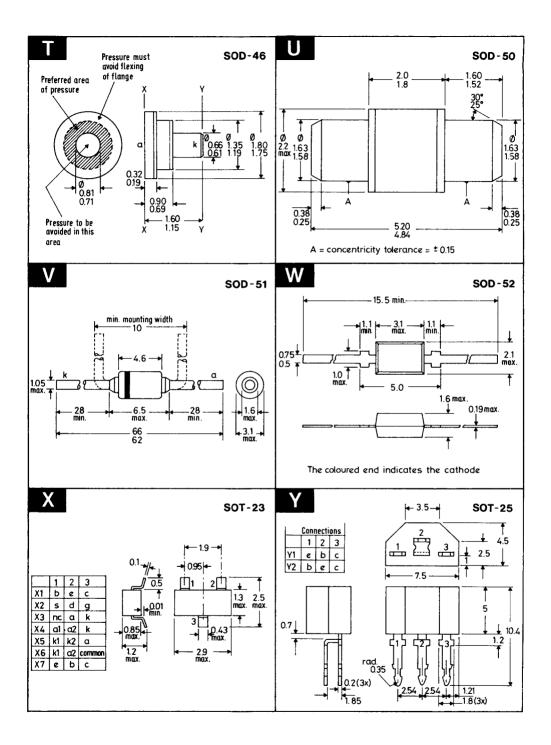


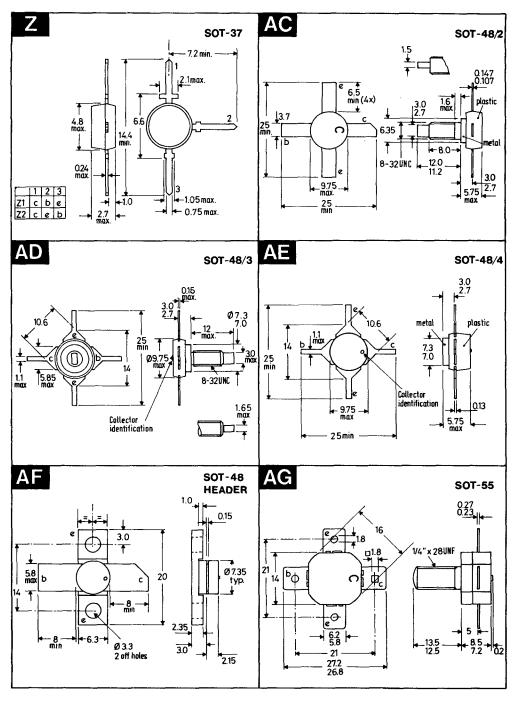
These drawings give limited information for quick reference purposes. For equipment design more complete information should be obtained from individual data sheets in the Technical Handbook or from standard B.S. or JEDEC outline drawings.



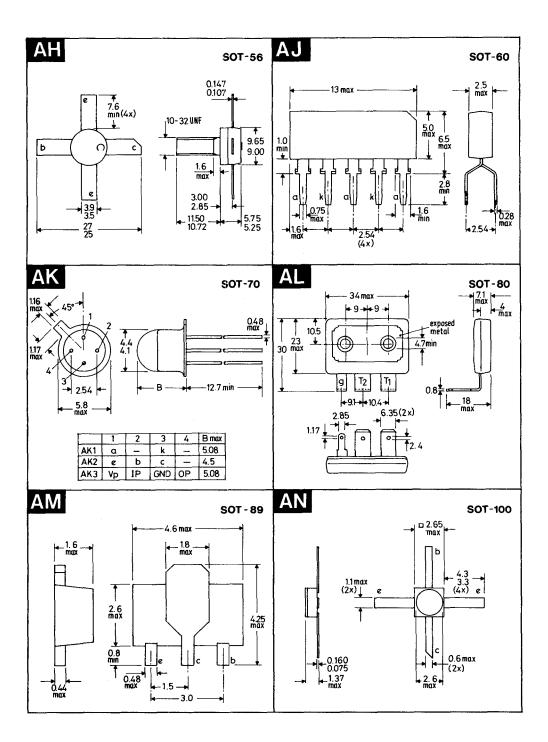


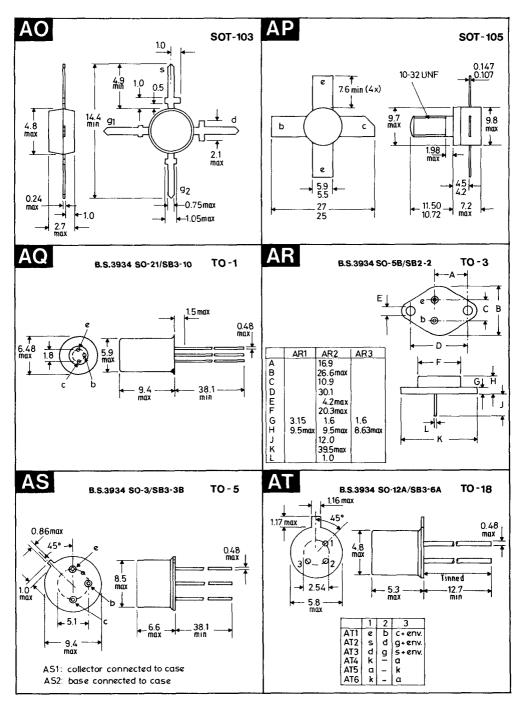
These drawings give limited information for quick reference purposes. For equipment design more complete information should be obtained from individual data sheets in the Technical Handbook or from standard B.S. or JEDEC outline drawings.



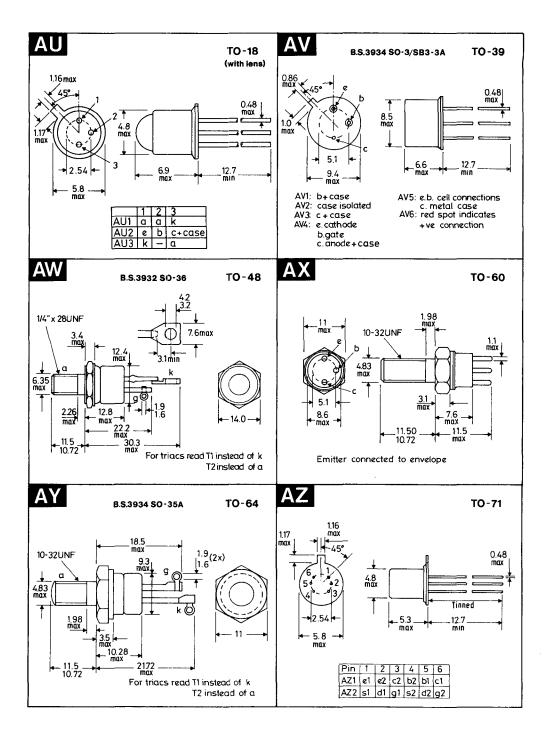


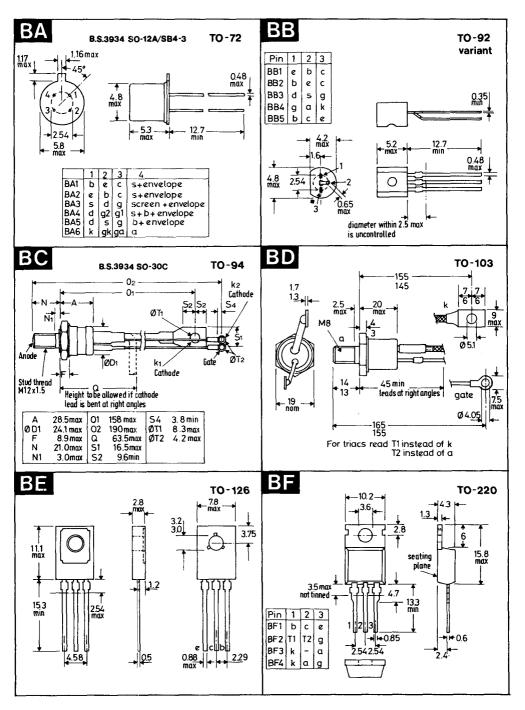
These drawings give limited information for quick reference purposes. For equipment design more complete information should be obtained from individual data sheets in the Technical Handbook or from standard B.S. or JEDEC outline drawings.



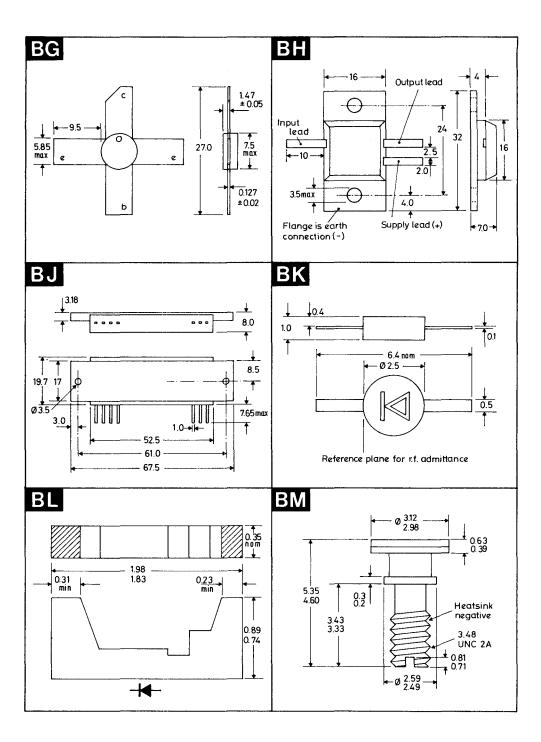


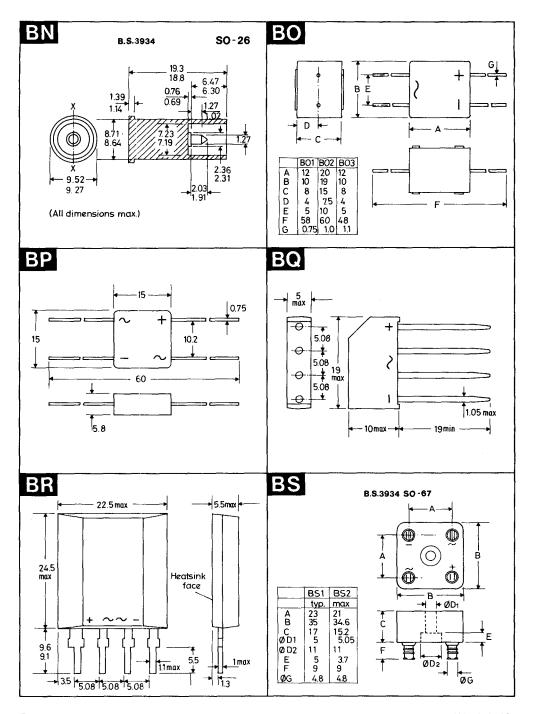
These drawings give limited information for quick reference purposes. For equipment design more complete information should be obtained from individual data sheets in the Technical Handbook or from standard B.S. or JEDEC outline drawings.



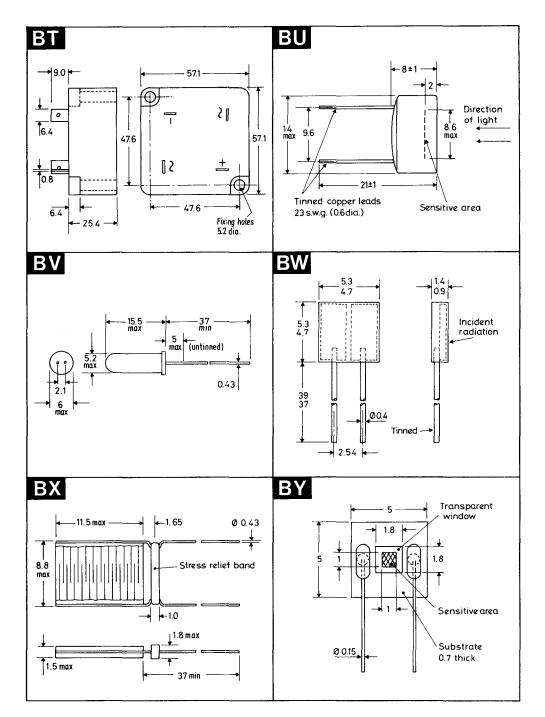


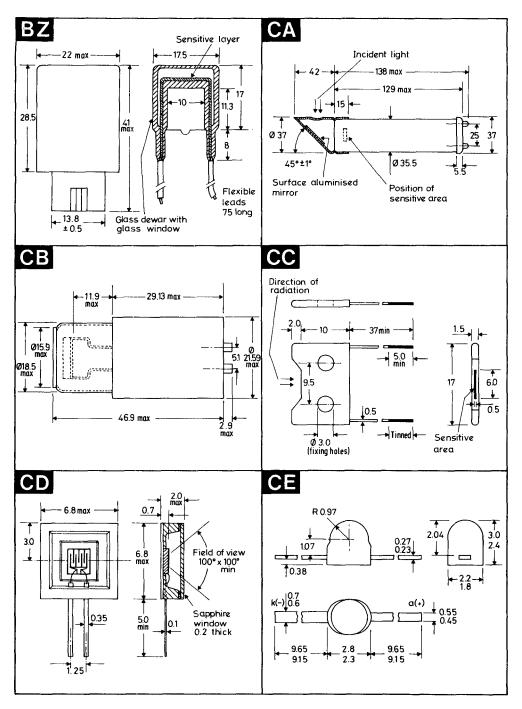
These drawings give limited information for quick reference purposes, For equipment design more complete information should be obtained from individual data sheets in the Technical Handbook or from standard B.S. or JEDEC outline drawings.





These drawings give limited information for quick reference purposes. For equipment design more complete information should be obtained from individual data sheets in the Technical Handbook or from standard B.S. or JEDEC outline drawings.





These drawings give limited information for quick reference purposes. For equipment design more complete information should be obtained from individual data sheets in the Technical Handbook or from standard B.S. or JEDEC outline drawings.

