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FEATURES

- 8 Diode Array
- SOIC 16 pin Surface Mount Package
- UL 94V-0 Flammability Classification
- RoHS compliant by adding "e3" suffix (S16-4148e3 or S16-4150e3)

MECHANICAL and PACKAGING

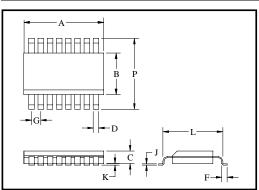
- Molded SOIC 16 Pin
- Terminals: Tin-Lead or RoHS compliant annealed matte Tin
- Weight: 0.128 grams (approximate)
- Marking: Logo, device part number, date code
- Pin #1 defined by DOT on top of package
- Tape & Reel option: Standard per EIA-481-B
 13 inch reel 2,500 pieces (add "TR" suffix to part number)
- Carrier tube 48 pcs per (STANDARD)

MAXIMUM RATINGS

- Operating Temperatures: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Forward Surge Current: 2.0 Amps (8.3 ms)
- Working Peak Reverse Voltage V_{RWM}: 75 V for S16-4148 and 50 V for S16-4150
- Continuous forward current I_F: 400 mA (each diode)
- Power dissipation (P_D): 1500 mW (total package)

ELECTRICAL CHARACTERISTICS	@ 25°C Unless	otherwise specified
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Part Number		@ I _{вк} 0µА		^R 5ºC		R O°C	C/ @ p	0V	1	t _{rr}	
	VN	ΛIN	μΑ MAX	V@Vr	μΑ ΜΑΧ	@V _R	MAX pF		MAX	MAX (nS)	
S16-4148	9	0	.025 .500	20 75	50 100	20 50	4	.0	5	5.0	
S16-4150	7	'5	.1	50	100	50	2	.5	4	1.0	
Part Number		/ _F 1.0 mA		/ _F 10 mA		/ _F 50 mA	@ I _F =	/ _F 100 mA		V _F 200 mA	
	V MIN	V MAX	V MIN	V MAX	V MIN	V MAX	V MIN	V MAX	V MIN	V MAX	
S16-4148				100				1.20			
S16-4150	0.54	0.62	0.66	0.74	0.76	0.86	0.82	0.92	0.87	1.00	



	INCH	ES	MILLIM	ETERS
DIM	MIN	MAX	MIN	MAX
A	0.385	0.398	9.09	10.10
В	0.150	0.158	3.81	4.01
C	0.053	0.069	1.35	1.75
D	0.011	0.021	0.28	0.53
F	0.016	0.050	0.41	1.27
G	0.050 BS	C	1.27 B	SC
J	0.006	0.010	0.15	0.25
K	0.004	0.010	0.10	0.20
L	0.189	0.206	4.80	5.23
P	0.228	0.244	5.79	6.19