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MMAD1108

Switching Diode Array



FEATURES

- 8 Diode Array
- SOIC 16 pin Surface Mount Package
- UL 94V-0 Flammability Classification

MECHANICAL

- Molded SOIC 16 Pin
- Weight: 0.128 grams (approximate)
- Marking: Logo, device number, date code
- Pin #1 defined by DOT on top of package

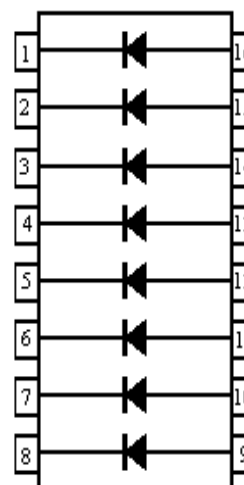
MAXIMUM RATINGS

- Operating Temperatures: -55°C to $+150^{\circ}\text{C}$
- Storage Temperature: -55°C to $+150^{\circ}\text{C}$
- Forward Surge Current: 2.0 Amps (8.3 ms)
- Minimum Breakdown Voltage $V_{(BR)}$: 90V
- Working Peak Reverse Voltage V_{RWM} : 75V
- Continuous forward current I_F : 40 mA
- Power dissipation (P_D): 500 mW
- Derating factor: 4.0 mW/ $^{\circ}\text{C}$

PACKAGING

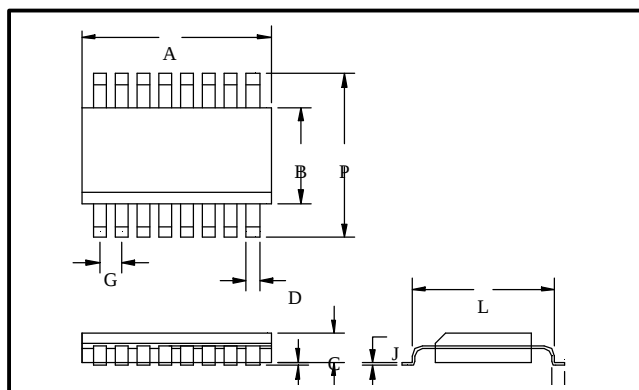
- Tape & Reel EIA Standard 481
- 13 inch reel 2,500 pieces (OPTIONAL)
- Carrier tube 48 pcs per (STANDARD)

CIRCUIT DIAGRAM



ELECTRICAL CHARACTERISTICS @ 25°C Unless otherwise specified

Part Number	$V_{(BR)}$ @100 μA V	V_{RWM} V	I_R +25 $^{\circ}\text{C}$ μA		I_R +150 $^{\circ}\text{C}$ μA		CAP @0V pF	t_{rr} (nS)	V_F @ $I_F = 10\text{mA}$ V	V_F @ $I_F = 100\text{mA}$ V
	MIN	MAX	MAX	@ V_R	MAX	@ V_R	MAX	MAX	MAX	MAX
MMAD1108	90	75	.200	20	.300	20	4.0	5.0	1.00	1.20



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.358	0.398	9.09	10.10
B	0.150	0.158	3.81	4.01
C	0.023	0.029	1.35	1.73
D	0.011	0.021	0.28	0.53
E	0.015	0.020	0.41	1.27
F	0.050 BSC		1.27 BSC	
G	0.008	0.010	0.15	0.25
H	0.004	0.008	0.10	0.20
I	0.180	0.206	4.80	5.23
J	0.328	0.344	8.29	8.75