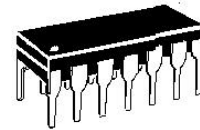




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MAD1109

Switching Diode Array



FEATURES

- 7 Diode Array
- Standard 14 pin Dual-In-Line Package
- UL 94V-0 Flammability Classification

MECHANICAL

- Molded 14 Pin Dip
- Weight: 0.997 grams (approximate)
- Marking: Logo, device number, date code
- Pin #1 defined by DOT on top of package

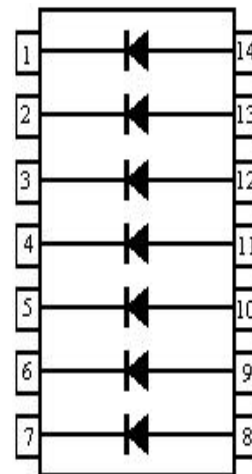
MAXIMUM RATINGS

- Operating Temperatures: -55°C to +150°C
- Storage Temperature: -55°C to +150°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 : 400 mA
- Power dissipation (P_D): 500 mW
- Derating factor: 4.0 mW/°C

PACKAGING

- Carrier tube 25 pcs per (STANDARD)

CIRCUIT DIAGRAM



ELECTRICAL CHARACTERISTICS @ 25°C Unless otherwise specified

Part Number	$V_{(BR)}$ @100 μ A V	V_{RWM} V	I_R +25°C μ A		I_R +150°C μ A		CAP @0V pF	t_{rr} (nS)	V_F @ $I_f = 10$ mA V	V_F @ $I_f = 100$ mA V
	MIN	MAX	MAX	@ V_R	MAX	@ V_R	MAX	MAX	MAX	MAX
MAD1109	90	75	.200	20	.300	20	4.0	5.0	1.00	1.20

