



American Microsemiconductor Inc  
 133 Kings Road.  
 Madison, NJ 07940  
 Tel: (973) 377-9566  
 Fax: (973) 377-3078  
 www.americanmicrosemi.com  
 sales@americanmicrosemi.com

**FEATURES**

- 8 Diode Array
- Standard 16 pin Dual-In-Line Package
- UL 94V-0 Flammability Classification

**MECHANICAL**

- Molded 16 Pin Dip
- Weight: 2.5 grams (approximate)
- Marking: Logo, device number, date code
- Pin #1 defined by DOT on top of package

**MAXIMUM RATINGS**

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Forward Surge Current: 2.0Amps (8.3 ms)
- Peak Reverse voltage  $V_{RRM}$ : 100V
- Steady state reverse voltage  $V_R$ : 75V
- Continuous forward current  $I_F$ : 400mA
- Power dissipation ( $P_b$ ): 500mW
- Derating factor: 4.0 mW/°C

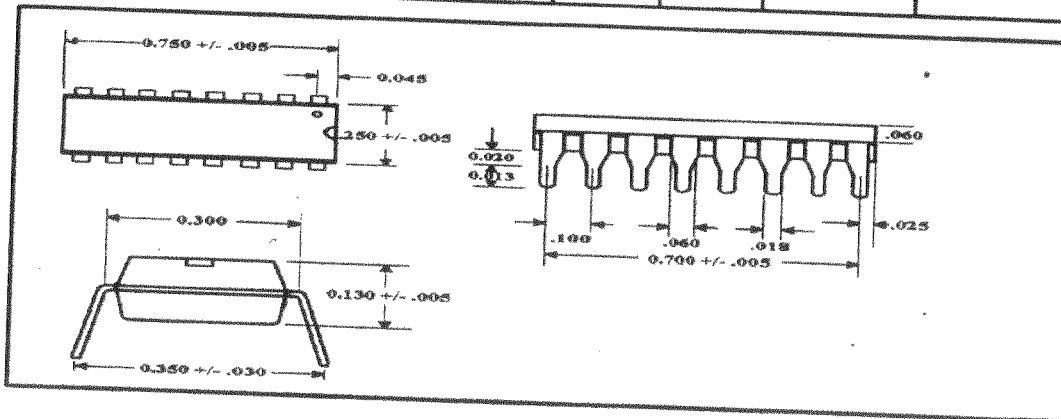
**PACKING**

- Carrier tube 25 per (standard)

**ELECTRICAL CHARACTERISTICS PER LINE**

Characteristics @ 25°C Unless otherwise specified

Part Number	$V_{br}$ @ $I_{br}$ = 100 $\mu$ A V MIN	$I_r$ +25°C		$I_r$ 150°C		CAP @ 0 V pF MAX	$t_{rr}$ (ns) MAX	$V_T$ @ $I_F$ = 10mA V MAX	$V_T$ @ $I_F$ = 100mA V MAX
		$\mu$ A MAX	V @ $V_r$	$\mu$ A MAX	V @ $V_r$				
MAD1108	100	.025	20	50	20	4.0	5.0	1.00	1.20

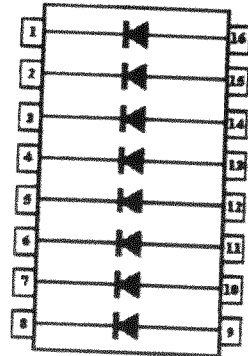


**MAD1108**

**Switching Diode Array**



**CIRCUIT DIAGRAM**



**ISO 9001 CERTIFIED**