



American Microsemiconductor, Inc.
 133 Kings Rd.
 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 Temperatures: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Forward Surge Current: 2.0Amps (8.3 ms)
- Peak Reverse voltage V_{RM} : 100V
- Steady state reverse voltage V_R : 75V
- Continuous forward current I_F : 400mA
- Power dissipation (P_D): 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 μ A V MIN	I_r +25°C		I_r 150°C		CAP @ 0 V pF MAX	t_{rr} (nS) MAX	V_f @ I_f = 10mA V MAX	V_f @ I_f = 100mA V MAX
		μ A MAX	V @ V_r	μ A MAX	V @ V_r				
ADA1108	100	.025	20	30	20	4.0	5.0	1.00	1.20

ADA1108

Switching Diode Array

CIRCUIT DIAGRAM

