

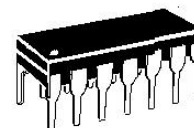

AMERICAN MICROSEMICONDUCTOR INC.

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ADA1107P

Switching Diode Array



FEATURES

- Dual 8 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

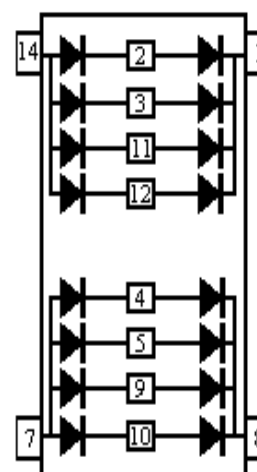
- Operating Temperatures: -55°C to $+150^{\circ}\text{C}$
- Storage Temperature: -55°C to $+150^{\circ}\text{C}$
- Forward Surge Current: 2.0 Amps (8.3 mS)
- Minimum Breakdown Voltage $V_{(BR)}$: 90V
- Working Peak Reverse Voltage V_{RWM} : 75V
- Continuous forward current I_F : 400 mA
- Power dissipation (P_D): 500 mW
- Derating factor: 4.0 mW/ $^{\circ}\text{C}$

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PACKAGING

- Carrier tube 25 pcs per (STANDARD)

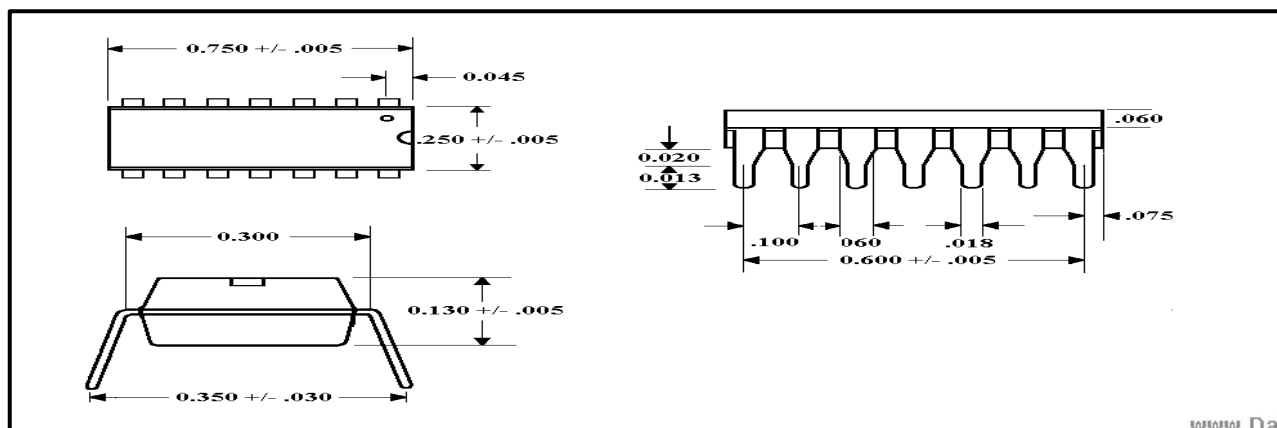
CIRCUIT DIAGRAM



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ELECTRICAL CHARACTERISTICS @ 25°C Unless otherwise specified

Part Number	$V_{(BR)}$ @100 μA V	V_{RWM} V	I_R +25°C μA		I_R +150°C μA		CAP @0V pF	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
ADA1107P	90	75	.100	20	200	20	4.0	1.00	1.20



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