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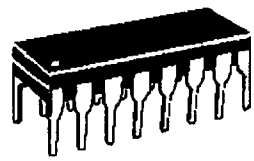
# ADA1108

## Switching Diode Array



## 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

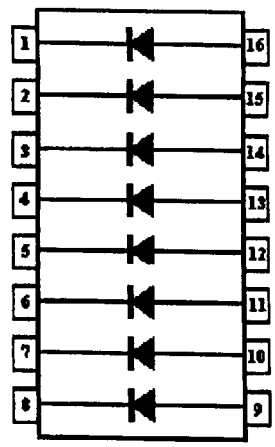
## MAXIMUM RATINGS

- 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

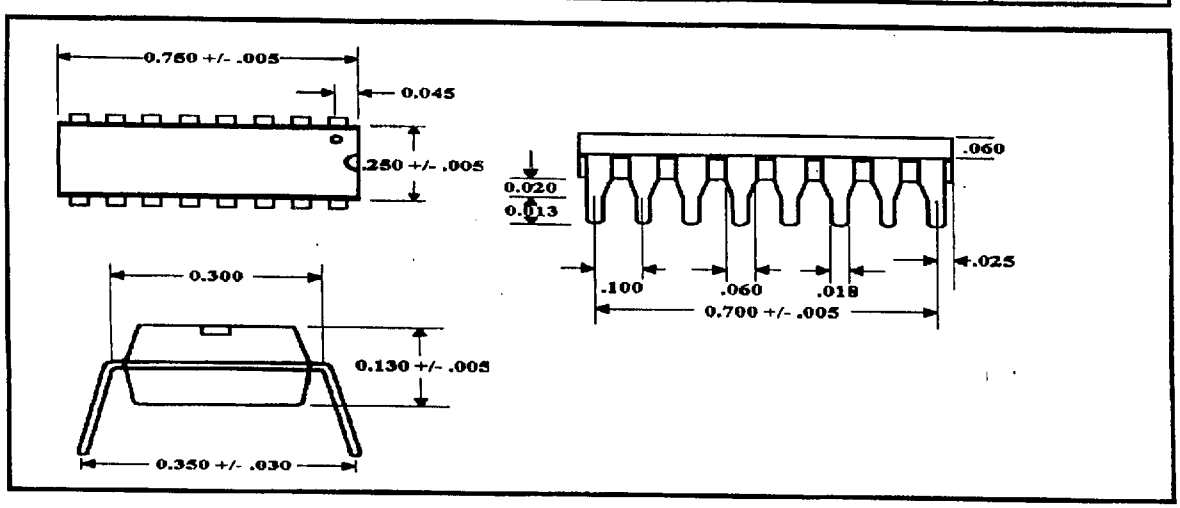
## PACKING

- Carrier tube 25 per (standard)

## CIRCUIT DIAGRAM




## ELECTRICAL CHARACTERISTICS PER LINE

**Characteristics @ 25°C Unless otherwise specified**

| Part Number | Vbr @ Ibr = 100µA V MIN | Ir +25°C µA MAX | Ir +25°C V @Vr | Ir 150°C µA MAX | Ir 150°C V @Vr | CAP @ 0 V pF MAX | trr (nS) MAX | Vf @ If = 10mA V MAX | Vf @ If = 100mA V MAX |
|---|---|---|---|---|---|---|---|---|---|
| ADA1108 | 100 | .025 | 20 | 50 | 20 | 4.0 | 5.0 | 1.00 | 1.20 |