

**Millennia Music and Media Systems**  
**MM-990 Pure Class-A, All Discrete,**  
**All J-FET Operational Amplifier.**  
**Fully Compatible with Jensen 990™**  
**and API 2510 / 2520™ Modules**

**Millennia**  
*Media*®

## MM-990 Typical Performance Specifications

### Max output Level (1% THD+N)...

10k load = +26.5 dBu

600 ohm = +25.5 dBu

### Noise Floor (22-22k bandwidth @ +20dB Gain)...

25 Zs = -105.5 dBu (4 microvolts RMS)

600 Zs = -101 dBu ( 6 microvolts RMS)

### THD+N (10-22K bandwidth @ +20dB Gain)...

#### 10k ohm Load

0 dBu = 0.001%

+10 dBu = 0.002%

+20 dBu = 0.009%

+24 dBu = 0.01%

#### 600 ohm Load

0 dBu = 0.0018%

+10 dBu = 0.003%

+20 dBu = 0.009%

+24 dBu = 0.01%

### Frequency Response.

#### 10k||0.001mfd or 600 ohm Load...

-1 dB @ 355 KHz and 0.3 Hz

-3 dB @ 450 KHz and 0.15 Hz

### Open Loop Gain...

73 dB typical

### Input Impedance...

1 megohm

### Input Capacitance...

Approx 20 pf

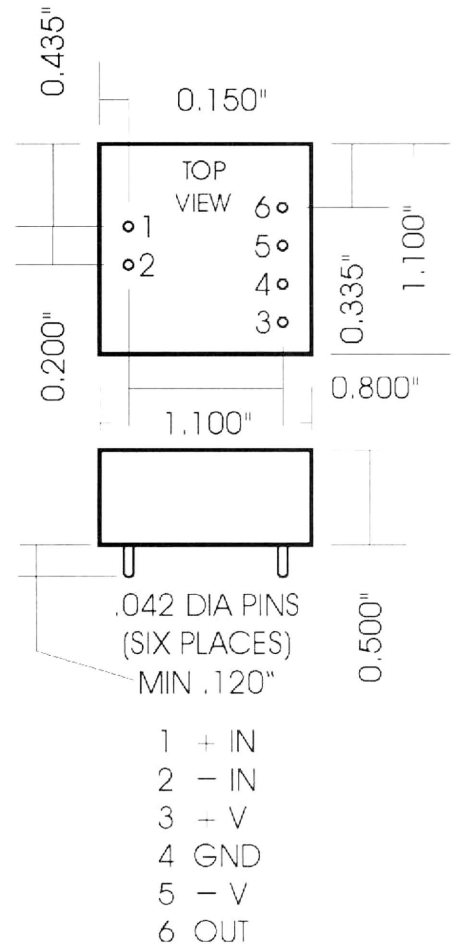
### Power Supply Voltage Range...

Bipolar 12 VDC to Bipolar 28 VDC

(Bipolar 15 to Bipolar 25 Max Recommended)

### Power Supply Current Draw...

20-25 milliamps (each polarity)



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