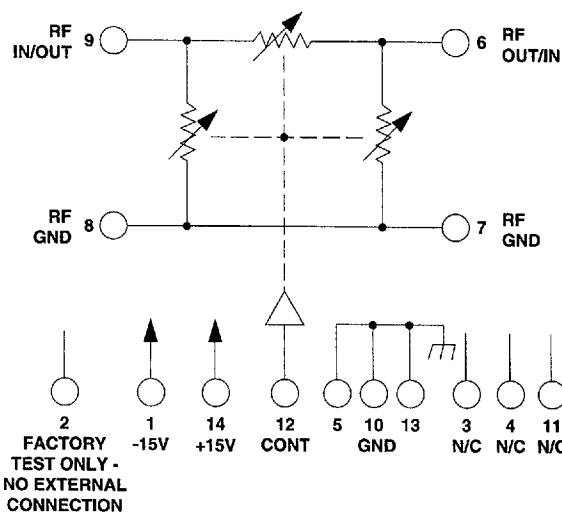
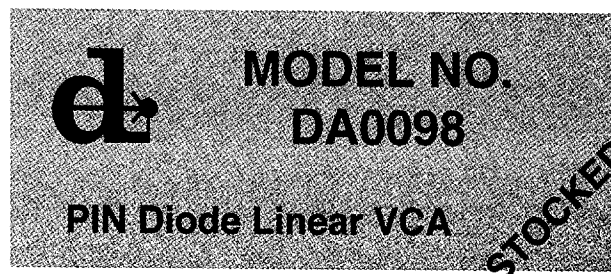
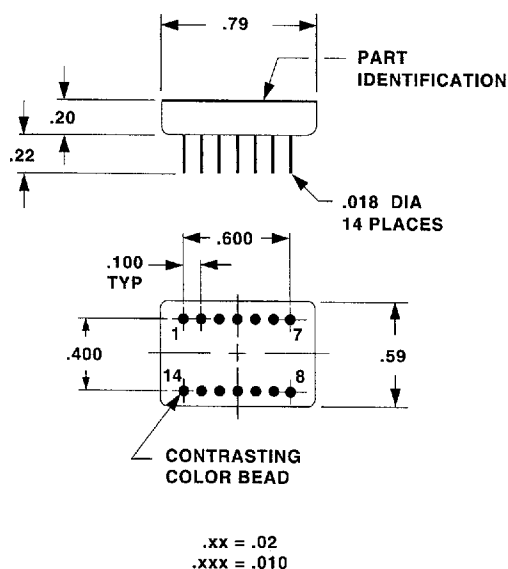


## FEATURES

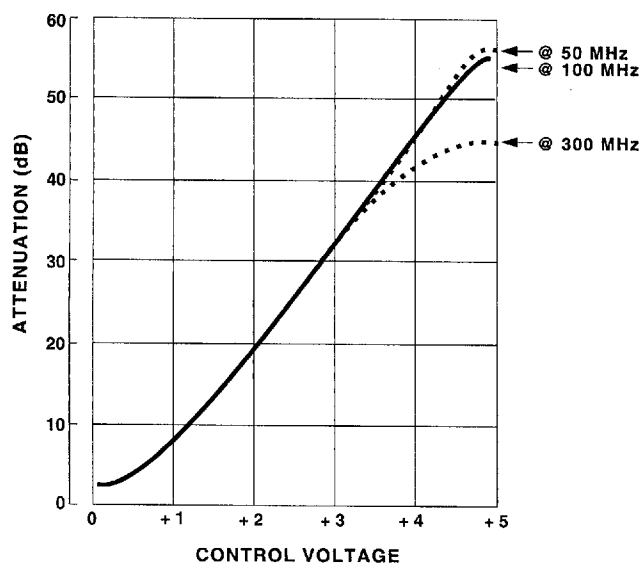
- 20 - 300 MHz
- 40 dB Linear Range Typical
- $\pm 2$  dB Linearity
- 2 dB Insertion Loss
- 14 Pin DIP
- See DA0998 For Flat Pack Version
- See 100C0912 For Connectorized Version

VCA



## TYPICAL PERFORMANCE

ATTENUATION VS CONTROL VOLTAGE



## GUARANTEED PERFORMANCE

| PARAMETER             | MIN                         | TYP                         | MAX        | UNITS            | CONDITIONS                                                     |
|-----------------------|-----------------------------|-----------------------------|------------|------------------|----------------------------------------------------------------|
| OPERATING FREQUENCY   | 20                          |                             | 300        | MHz              |                                                                |
| DC CURRENT            |                             | 42<br>80                    | 65<br>110  | mA               | AT +15 VDC SUPPLY<br>AT -15 VDC SUPPLY                         |
| CONTROL CURRENT       |                             |                             | 0.5        | mA               | 0V = INSERTION LOSS<br>+5V = MAX. ATTENUATION                  |
| INSERTION LOSS        |                             | 1.3                         | 2.0        | dB               | AT 0V                                                          |
| ATTENUATION           | RANGE<br>SLOPE<br>LINEARITY | 40<br>15 $\pm$ 3<br>$\pm$ 2 |            | dB<br>dB/V<br>dB | AT 100 MHz<br>BEST STRAIGHT LINE FIT FROM<br>IL +2 dB TO 40 dB |
| VSWR                  |                             |                             | 1.4/1      |                  |                                                                |
| IMPEDANCE             |                             | 50                          |            | OHMS             |                                                                |
| SLEW RATE             |                             | 6                           |            | dB/ $\mu$ s      |                                                                |
| RF POWER:             | OPERATE<br>NO DAMAGE        |                             | +10<br>+20 | dBm<br>dBm       |                                                                |
| OPERATING TEMPERATURE | -55                         | +25                         | +85        | $^{\circ}$ C     | TA                                                             |