

FEATURES

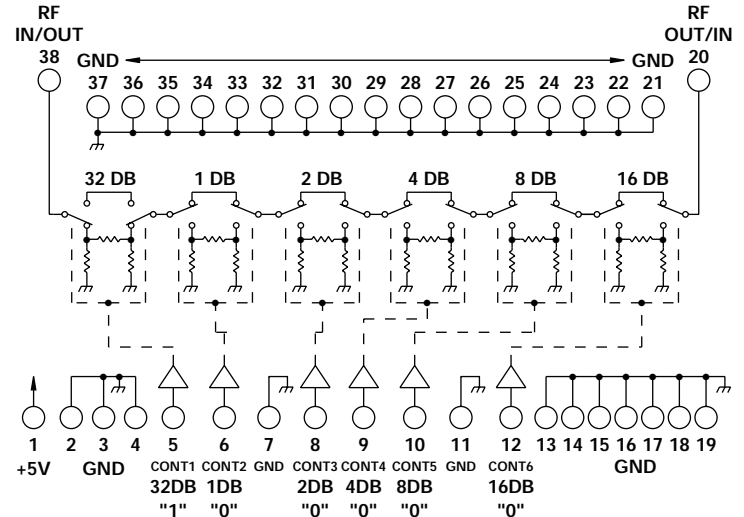
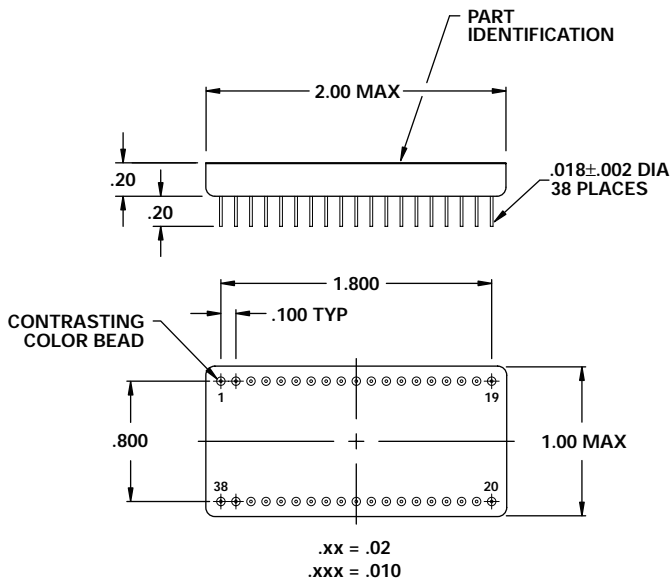
- 100 - 200 MHz
- 50 mA, +5 VDC
- 1 dB LSB, 63 dB Range
- TTL Control
- 38 Pin DIP

6 BIT

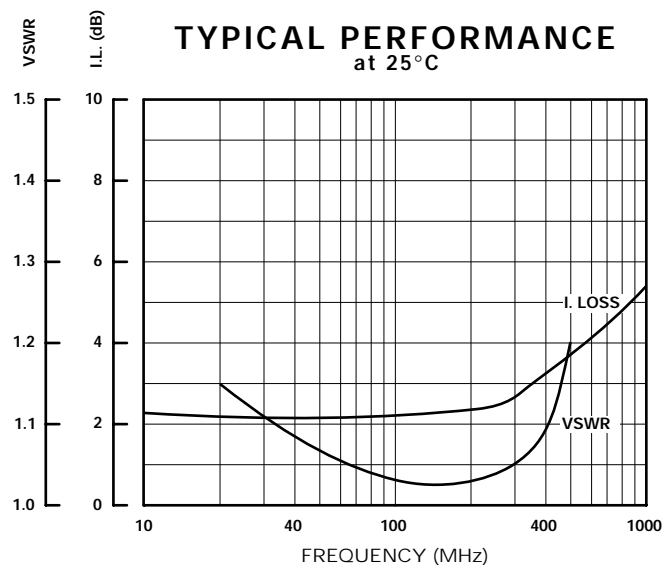


MODEL NO.
DA0844

PIN Diode 6 Section Attenuator



GUARANTEED PERFORMANCE



| Parameter | Min | Typ | Max | Units | Conditions |
|------------------------------|--------------------------|--------|------------|----------------|--|
| Operating Frequency | 100 | | 200 | MHz | |
| DC Current | | 50 | 85 | mA | At +5 VDC Supply |
| Control Type | | TTL | | | 6 Line Logic "0" = Thru Logic "1" = Attenuation |
| Control Current | High Low | | 40 -400 | μA | V _{IH} = +2.7 V V _{IL} = +0.5 V |
| Insertion Loss | | 2.5 | 7.0 | dB | |
| Attenuation | LSB Range Accuracy | 0 | 1 63 | dB dB dB | 1, 2, 4, 8, 16, 32 ± (0.25 dB +2% of Atten. Setting in dB) |
| VSWR | | 1.25/1 | 1.4/1 | | |
| Impedance | | 50 | | OHMS | |
| Switching Speed | | 10 | 50 | μSec | 50% TTL to 90% / 10% RF |
| Transition (Rise/Fall) Time | | 5 | | μSec | 90% / 10% or 10% / 90% RF |
| Switching (Video) Transients | | 100 | | mV | Peak Value |
| RF Power | Operate No Damage | +18 | +13 +20 | dBm dBm | 0.1 dB Compression |
| Operating Temperature | -40 | +25 | +85 | °C | TA |