

FEATURES

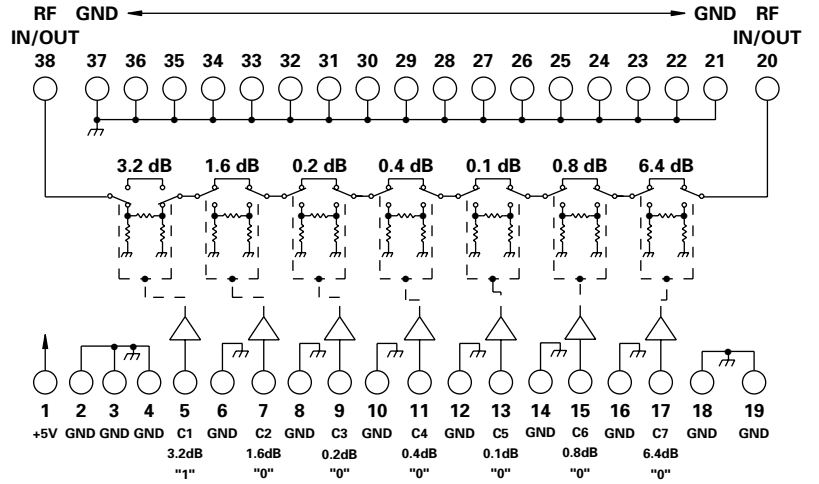
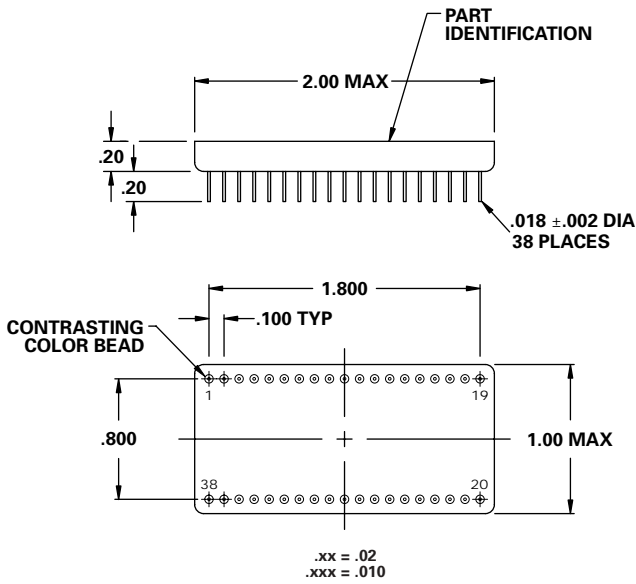
- 10 - 150 MHz
- 20 nSec Switching Speed
- 3.5 dB Insertion Loss
- 0.1 dB LSB, 12.7 dB Range
- TTL Control
- See DA0775 for Surface Mount Version



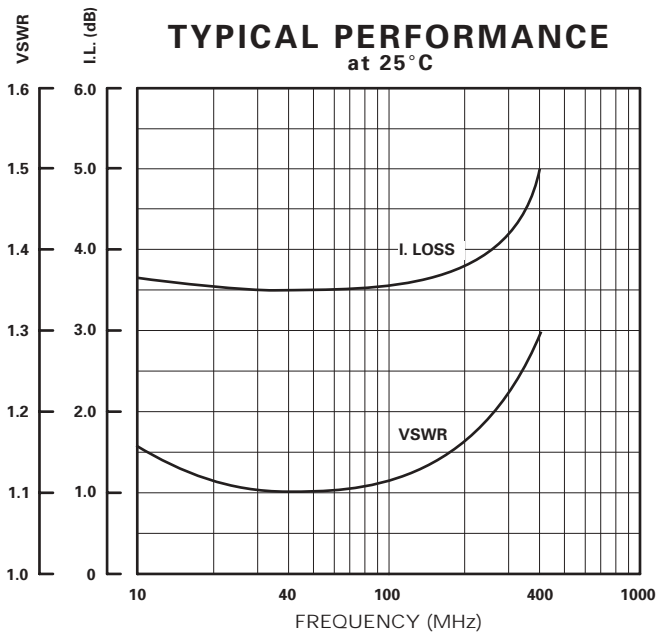
MODEL NO.
DA0375

Schottky Diode
7 Section Attenuator

7 BIT



GUARANTEED PERFORMANCE



Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	10		150	MHz	
DC Current		390	540	mA	At +5 VDC Supply
Control Type		TTL			7 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High Low		25 -200	µA µA	V _{IH} = +2.7 V V _{IL} = +0.5 V
Insertion Loss		3.5	4.0	dB dB	45 - 75 MHz (±0.5 dB) 10 - 150 MHz
Attenuation	LSB Range Accuracy	0	0.1 12.7	dB dB dB	0.1, 0.2, 0.4, 0.8, 1.6, 3.2, 6.4 0.1 dB to 0.9 dB: ± (0.05 dB) +15% of Atten. Setting in dB 1.0 dB to 12.7 dB: ± (0.15 dB) +2% of Atten. Setting in dB
VSWR		1.15/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		20	35	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		7		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients			0.5	V	Peak Value
Intercept Points	2nd 3rd	+93 +36		dBm dBm	MHz MHz
RF Power	Operate No Damage	+15 +20	+10 +20	dBm dBm	0.1 dB Compression
Operating Temperature		-55	+25	+85	°C TA