

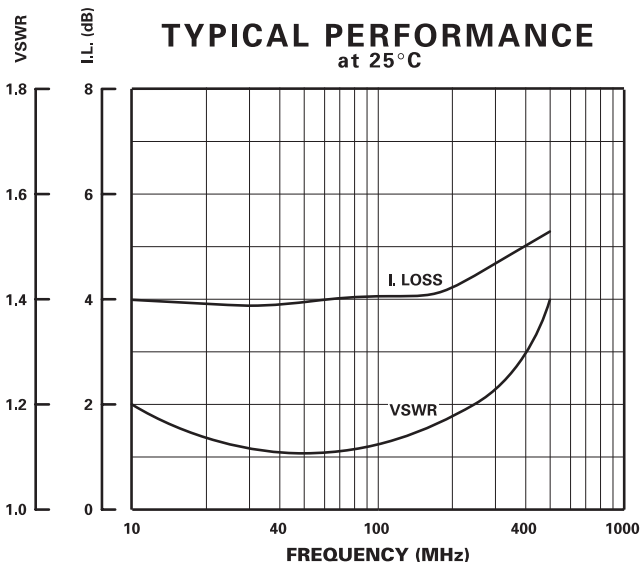
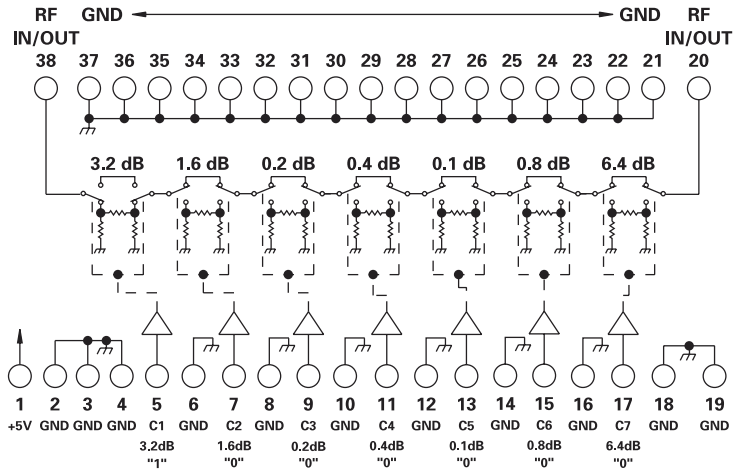
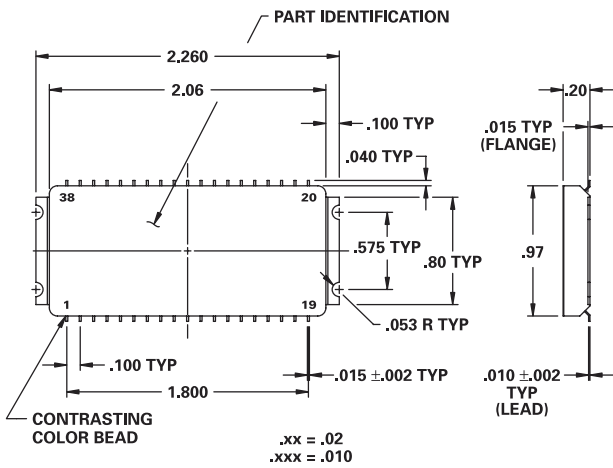
# MODEL NUMBER DA0775

# Schottky Diode 7 Section Attenuator

## FEATURES

- 30-150 MHz
- 25 nSec Switching Speed
- 4 dB Insertion Loss
- 0.1 dB LSB, 12.7 dB Range
- TTL Control
- 38 Pin Surface Mount Package

## 7 BIT



## GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	30		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	0 -0.06	25 -200	μA	V <sub>IH</sub> = +2.7 V V <sub>IL</sub> = +0.5 V
Insertion Loss		4.0	5.0	dB	
Attenuation	LSB Range Accuracy	0	0.1 12.7	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		25	35	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		7		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients			500	mV	Peak Value
Intercept Points	2nd 3rd	93 36		dBm dBm	40 MHz / 30 MHz 55 MHz / 40 MHz
RF Power	Operate No Damage	+15 +20	+10 +20	dBm dBm	0.1 dB Compression
Operating Temperature		-55	+25	+85	°C TA