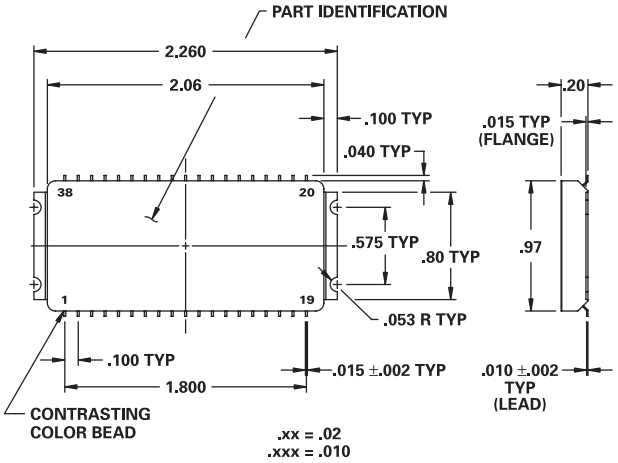
MODEL NUMBER DA0775

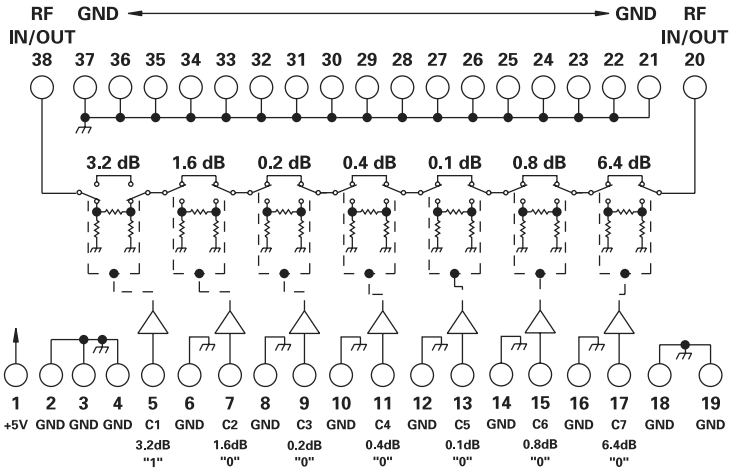
Schottky Diode 7 Section Attenuator

FEATURES

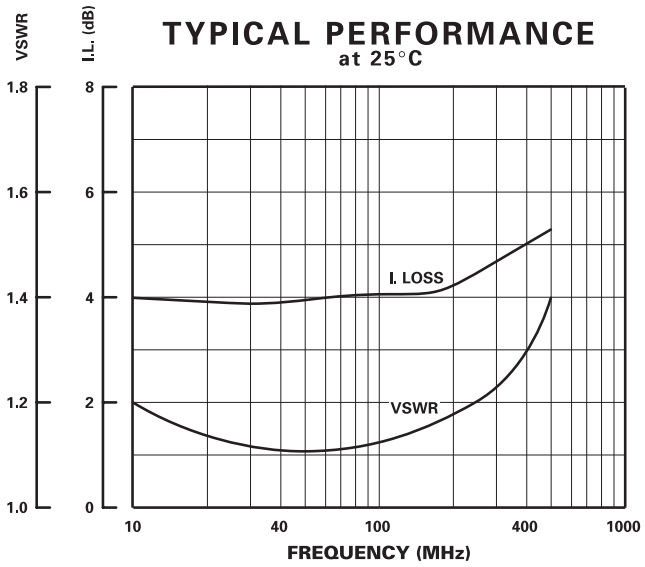
- 30-150 MHz
- 25 nSec Switching Speed
- 4 dB Insertion Loss
- 0.1 dB LSB, 12.7 dB Range
- TTL Control
- 38 Pin Surface Mount Package

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*		0	25	µA	VIH = +2.7 V
	Low		-0.06	-200	µA	VIL = +0.5 V
Insertion Loss			4.0	5.0	dB	
Attenuation	*LSB*		0.1		dB	
	Range	0		12.7	dB	0.1, 0.2, 0.4, 0.8, 1.6, 3.2, 6.4
	Accuracy				dB	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*		93		dBm	40 MHz / 30 MHz
	3rd		36		dBm	55 MHz / 40 MHz
RF Power	*Operate*		+15	+10	dBm	0.1 dB Compression
	No Damage			+20	dBm	
Operating Temperature		-55	+25	+85	°C	TA

TYPICAL PERFORMANCE
at 25°C