

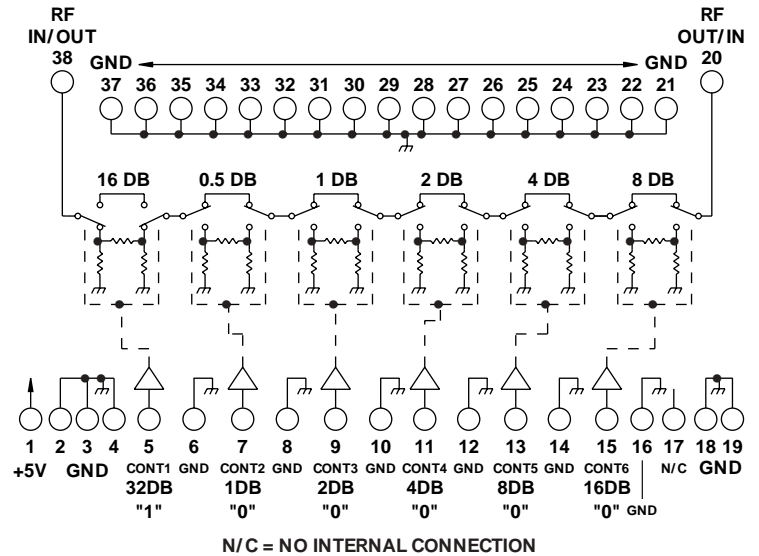
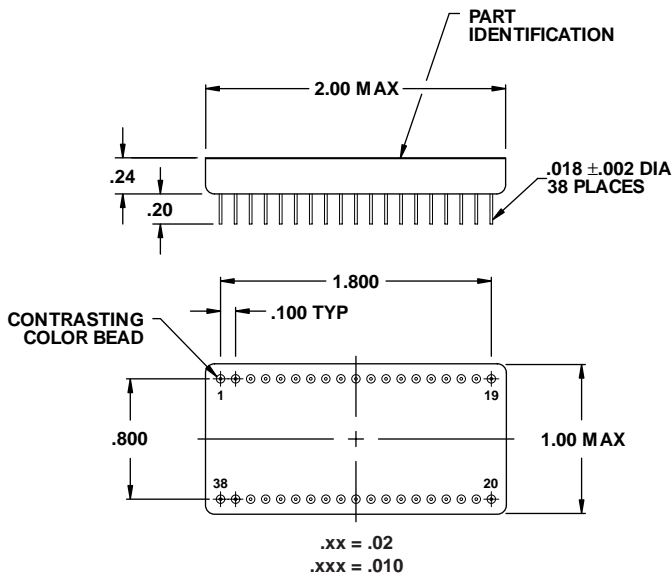
FEATURES

- 20 - 400 MHz
- 0.5 dB LSB, 31.5 dB Range
- 5 nSec Transition Time
- 28 nSec Switching Speed
- Constant Phase
- TTL Control
- 38 Pin DIP

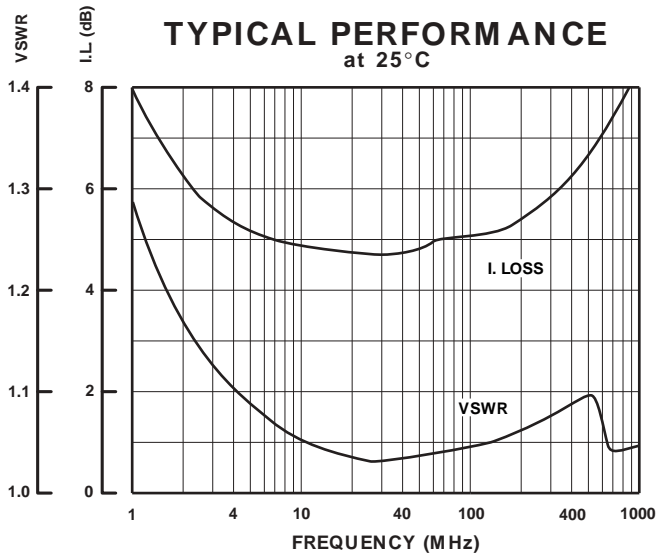
6 BIT



MODEL NO. DA0956 Schottky Diode 6 Section Attenuator



GUARANTEED PERFORMANCE



Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	20		400	MHz	
DC Current		340	550	mA	At +5 VDC Supply
Control Type		TTL			6 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High Low	0 -30	30 -100	μA	V _{IH} = +2.7 V V _{IL} = +0.5 V
Insertion Loss		5	6	dB	20 - 100 MHz
		6	7	dB	100 - 400 MHz
Attenuation	LSB Range Accuracy	0 31.5		dB	0.5, 1, 2, 4, 8, 16 ±(0.25 dB +3% of Atten. Setting in dB)
	Vs. Phase	-8.0	-3.5	+2.0	DEG
VSWR		1.1/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		28	35	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		5		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		36	100	mV	Peak Value
Intercept Points	2nd 3rd	+73 +32		dBm	214 MHz / 127 MHz 107 MHz / 127 MHz
RF Power	Operate No Damage	+12 +20	+10 +20	dBm	0.1 dB Compression
Operating Temperature		-55	+25	+85	°C TA