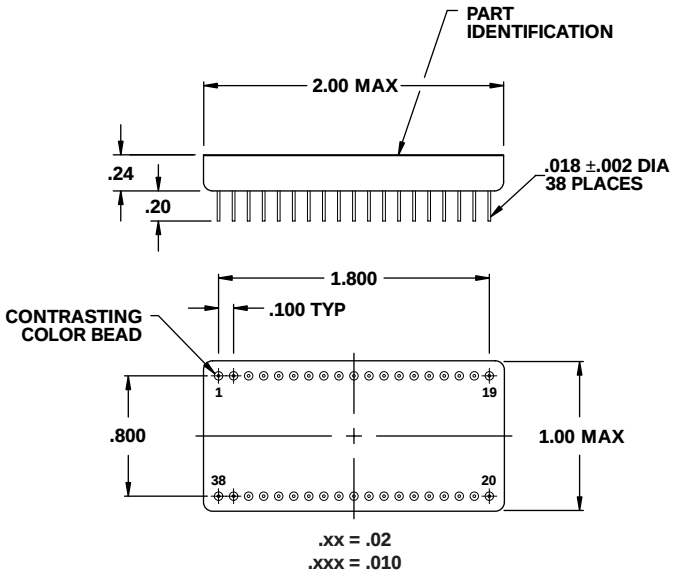
FEATURES

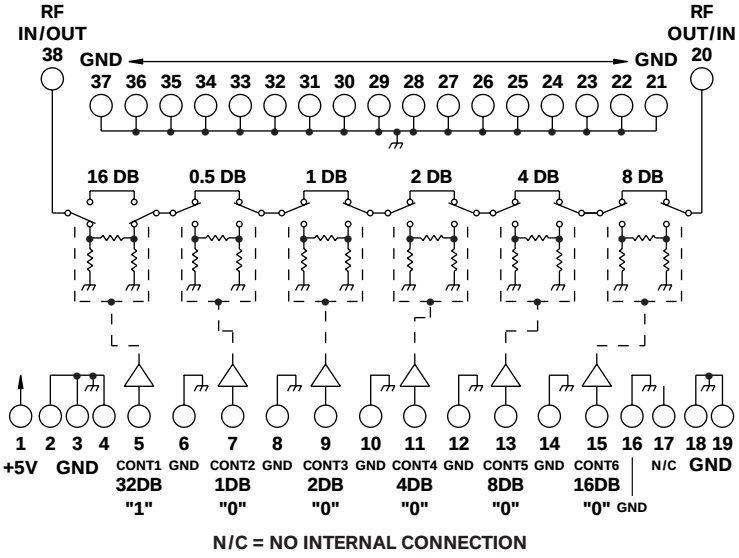
- **20 - 400 MHz**
- **0.5 dB LSB, 31.5 dB Range**
- **5 nSec Transition Time**
- **28 nSec Switching Speed**
- **Constant Phase**
- **TTL Control**
- **38 Pin DIP**

6 BIT

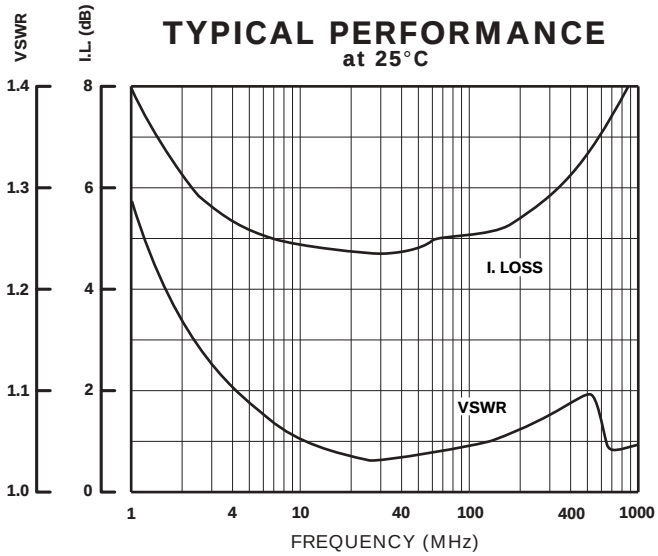
MODEL NO. DA0956

Schottky Diode 6 Section Attenuator





N/C = NO INTERNAL CONNECTION



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*		0	30	µA	VIH = +2.7 V
	Low		-30	-100	µA	VIL = +0.5 V
Insertion Loss			5	6	dB	20 - 100 MHz
			6	7	dB	100 - 400 MHz
Attenuation	*LSB*		0.5		dB	
	Range	0	31.5		dB	0.5, 1, 2, 4, 8, 16
	Accuracy				dB	± (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*		+73		dBm	214 MHz / 127 MHz
	3rd		+32		dBm	107 MHz / 127 MHz
RF Power	*Operate*		+12	+10	dBm	0.1 dB Compression
	No Damage			+20	dBm	
Operating Temperature		-55	+25	+85	°C	TA