

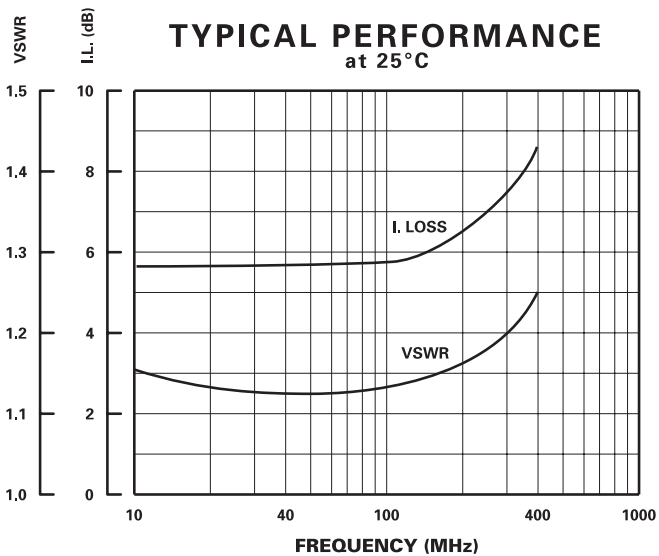
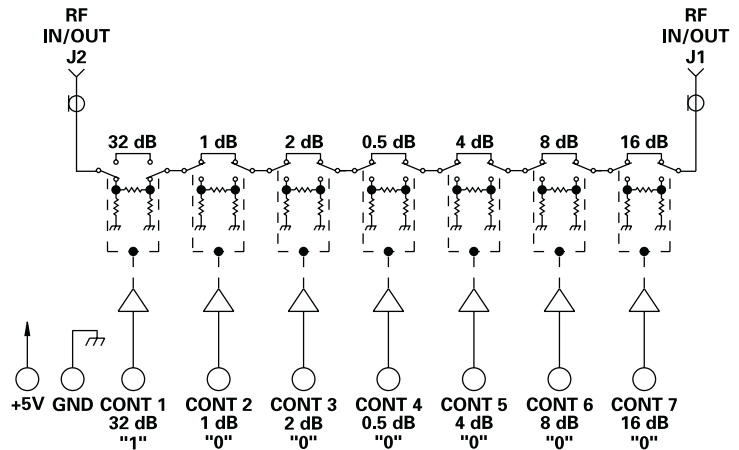
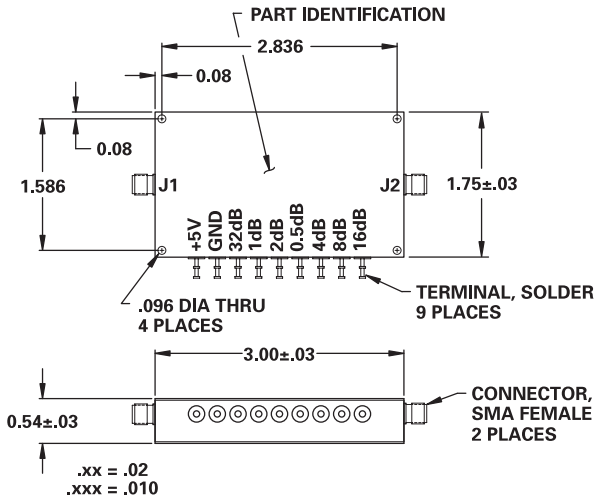
# MODEL NUMBER 100C1757

# Schottky Diode 7 Section Attenuator

## FEATURES

- 45-200 MHz
- 25 nSec Switching Speed
- 0.5 dB LSB, 63.5 dB Range
- TTL Control
- SMA Connectors
- See DA0617 for 38 Pin DIP Version
- See DA0717 for Surface Mount Version

## 7 BIT



## GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions	
Operating Frequency	45		200	MHz		
DC Current		400	640	mA	At +5 VDC Supply	
Control Type		TTL			7 Line Logic "0" = Thru Logic "1" = Attenuation	
Control Current	High Low	0 -0.06	.025 -0.20	mA	V <sub>IH</sub> = +2.7 V V <sub>IL</sub> = +0.5 V	
Insertion Loss		6	7	dB	45 - 150 MHz	
			7	8	dB	150 - 200 MHz
Attenuation	LSB Range Accuracy	0	0.5	dB	0.5, 1, 2, 4, 8, 16, 32	
				dB	± (0.2 dB ±3% of Attenuation Setting in dB, 45 to 150 MHz) ± (0.2 dB ±5% of Attenuation Setting in dB, 150 to 200 MHz)	
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		50	150	mV	Peak Value	
Intercept Points	2nd 3rd	+82 +34		dBm		
RF Power	Operate No Damage	+13	+10 +20	dBm	0.1 dB Compression	
Operating Temperature		-55	+25	+85	°C	
					TA	