

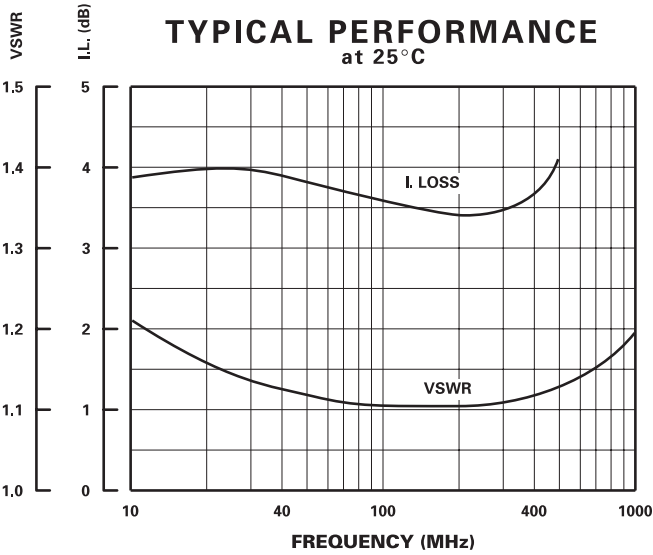
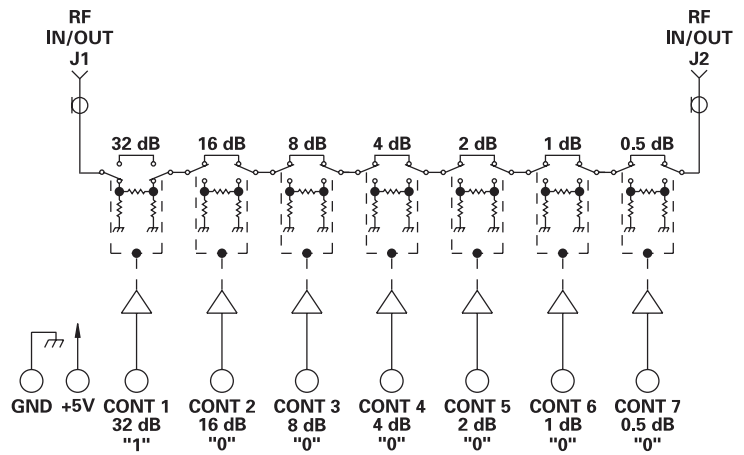
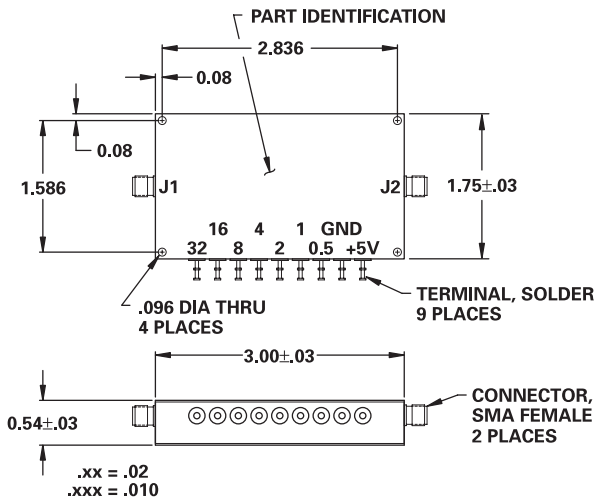
# MODEL NUMBER 100C1595

# PIN Diode 7 Section Attenuator

## FEATURES

- 30-500 MHz
- 50 mA, +5 VDC
- 0.5 dB LSB, 63.5 dB Range
- TTL Control
- SMA Connectors
- See DA0295 for 38 Pin DIP Version

## 7 BIT



## GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	30		500	MHz	
DC Current		50	85	mA	At +5 VDC Supply
Control Type		TTL			7 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High Low		40 -400	$\mu$ A	$V_{IH} = +2.7V$ $V_{IL} = +0.5V$
Insertion Loss		4.2	6.0	dB	
Attenuation	LSB Range Accuracy	0	0.5 63.5	dB dB	0.5, 1, 2, 4, 8, 16, 32 $\pm (0.15 \text{ dB} + 2\% \text{ of Atten.})$ Setting in dB for Values $\geq 1 \text{ dB}$ $\pm (0.05 \text{ dB} + 15\% \text{ of Atten.})$ Setting in dB for Values $< 1 \text{ dB}$
VSWR		1.2/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		5	20	$\mu$ Sec	50% TTL to 90% / 10% RF
RF Power	Operate No Damage	+18	+13 +20	dBm dBm	0.1 dB Compression
Operating Temperature	-55	+25	+85	$^{\circ}$ C	TA