

FEATURES

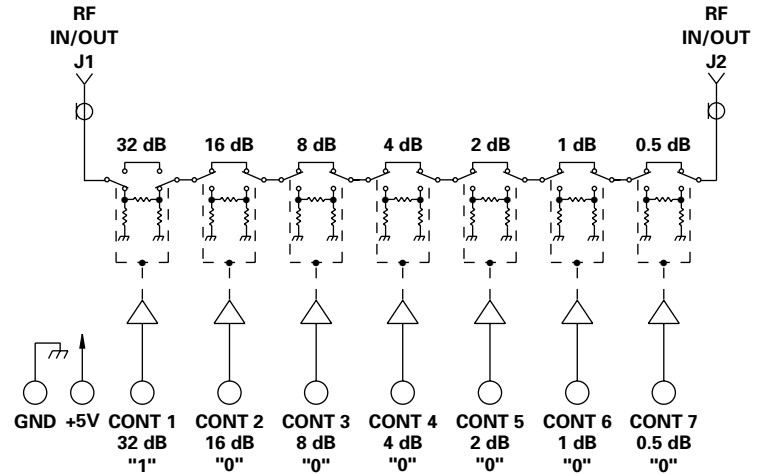
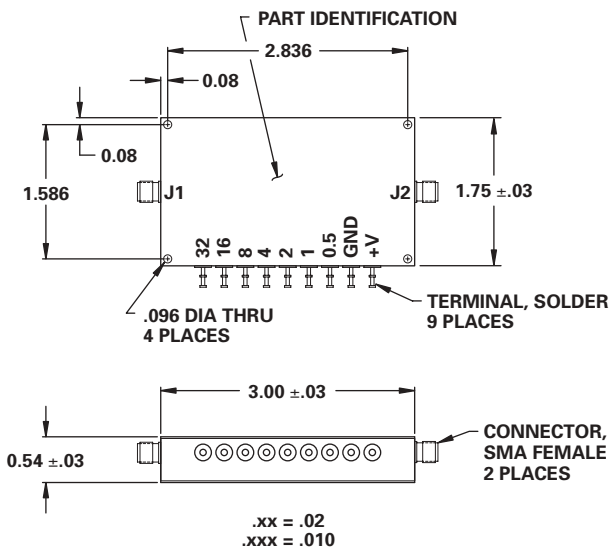
- 30 - 500 MHz
- 50 mA, +5 VDC
- 0.5 dB LSB, 63.5 dB Range
- TTL Control
- SMA Connectors
- See DA0295 for 38 Pin DIP Version



MODEL NO.
100C1595

PIN Diode 7 Section Attenuator

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		40	µA	VIH = +2.7V
	Low		-400	µA	VIL = +0.5V
Insertion Loss		4.2	6.0	dB	
Attenuation	LSB	0.5	63.5	dB	0.5, 1, 2, 4, 8, 16, 32 ± (0.15 dB +2% of Atten. Setting in dB) for Values ≥ 1 dB ± (0.05 dB +15% of Atten. Setting in dB) for Values < 1 dB
Range Accuracy	0			dB	
VSWR		1.2/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		5	20	µSec	50% TTL to 90% / 10% RF
RF Power	Operate	+18	+13	dBm	0.1 dB Compression
	No Damage		+20	dBm	
Operating Temperature	-55	+25	+85	°C	TA

