

## FEATURES

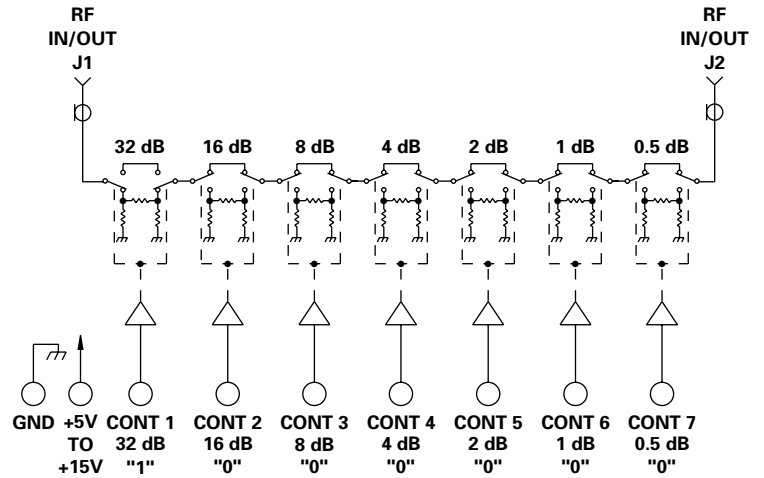
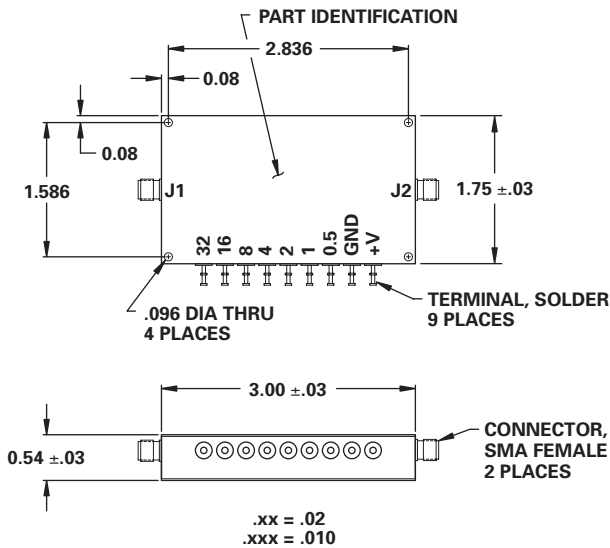
- 30 - 500 MHz
- 30 mA, +5 VDC
- 0.5 dB LSB, 63.5 dB Range
- CMOS Control
- SMA Connectors
- See DA0285 for 38 Pin DIP Version



MODEL NO.  
100C1585

## PIN Diode 7 Section Attenuator

7 BIT



## GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	30		500	MHz	
DC Current		25	50	mA	At +5 to 15 VDC Supply
Control Type		CMOS			7 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High		±10	µA	VIH = +V
	Low		±10	µA	VIL = 0V
Insertion Loss		4.2	6.0	dB	
Attenuation	LSB	0	0.5	dB	0.5, 1, 2, 4, 8, 16, 32
	Range		63.5	dB	± (0.15 dB +2% of Atten.
	Accuracy			dB	Setting in dB) for Values ≥ 1 dB
					± (0.05 dB +15% of Atten.
					Setting in dB) for Values < 1 dB
VSWR		1.2/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		5	20	µSec	50% Control 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

