

FEATURES

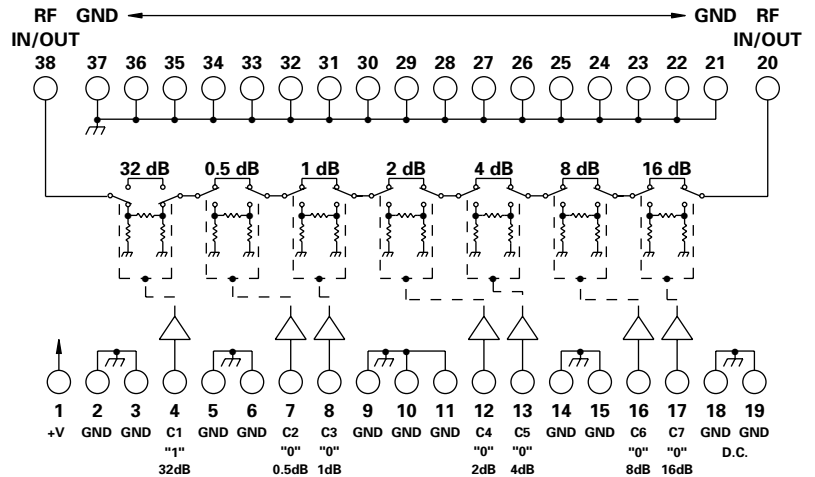
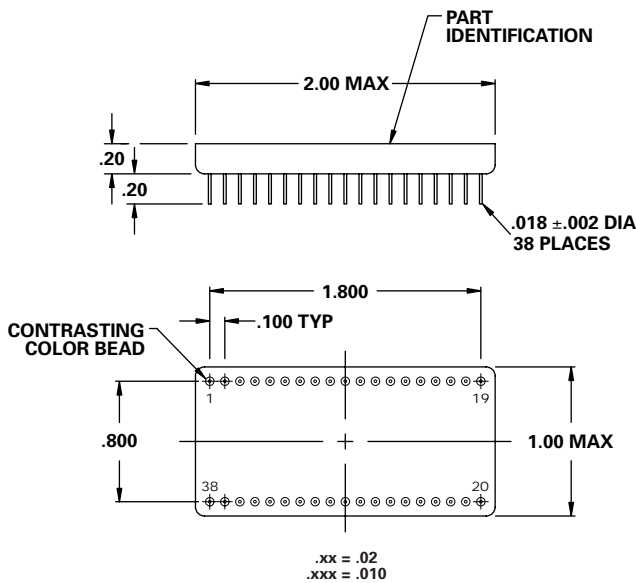
- 30 - 500 MHz
- 30 mA, +5 VDC
- 0.5 dB LSB, 63.5 dB Range
- CMOS Control
- See 100C01585 for Connectorized Version



MODEL NO.
DA0285

PIN Diode 7 Section Attenuator

7 BIT



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	30		500	MHz	
DC Current		30	50	mA	At +5 VDC Supply
Control Type		CMOS			7 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High Low		40 -200	μ A	$V_{IH} = +2.7 V$ $V_{IL} = +0.5 V$
Insertion Loss		4.2	6.0	dB	
Attenuation	LSB Range Accuracy	0	0.5 63.5	dB dB dB	0.5, 1, 2, 4, 8, 16, 32 $\pm (0.15 \text{ dB} + 2\% \text{ of Atten. Setting in dB})$ for Values $\geq 1 \text{ dB}$ $\pm 0.05 \text{ dB} + 15\% \text{ of Atten.}$ - dB for Values $< 1 \text{ dB}$
VSWR		1.2/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		5.0	20	μ Sec	50% Control to 90% / 10% RF
Transition (Rise/Fall) Time		1		μ Sec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		100		mV	
RF Power	Operate No Damage	+18	+13 +20	dBm dBm	0.1 dB Compression
Operating Temperature	-55	+25	+125	$^{\circ}C$	TA

