

## FEATURES

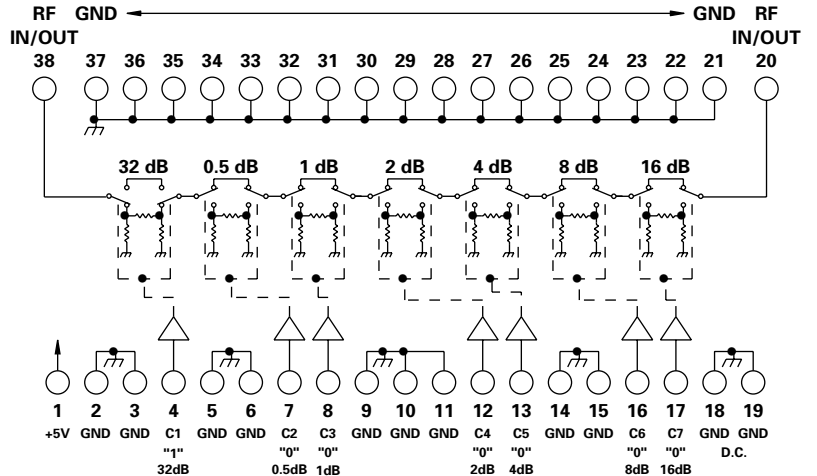
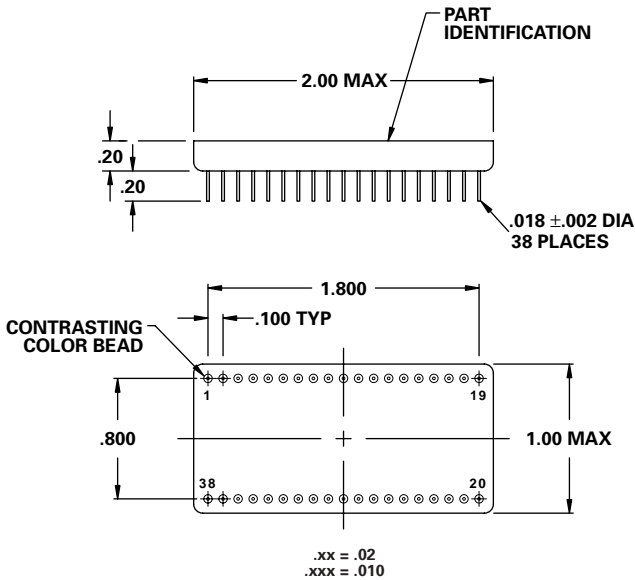
- 30 - 500 MHz
- 50 mA, +5 VDC
- +40 dBm 3rd Order Intercept
- 0.5 dB LSB, 63.5 dB Range
- TTL Control
- See 100C1595 for Connectorized Version
- See DA0795 for Surface Mount Version



MODEL NO.  
DA0295

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			40	µA	VIH = +2.7 V
			-400	µA	VIL = +0.5 V
Insertion Loss		4.2	6.0	dB	
Attenuation		0.5	63.5	dB	0.5, 1, 2, 4, 8, 16, 32 0.5 dB Section: ± 0.125 dB 1 - 63.5 dB Sections: ± (0.15 dB +2% of Atten. Setting in dB)
LSB				dB	
Range				dB	
Accuracy				dB	
VSWR		1.2/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		5.5	20	µSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		1		µSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		100		mV	
Intercept Points		+66		dBm	
		+40		dBm	
RF Power		+18	+13	dBm	0.1 dB Compression
		+20		dBm	
Operating Temperature	-55	+25	+125	°C	TA

## TYPICAL PERFORMANCE at 25°C

