

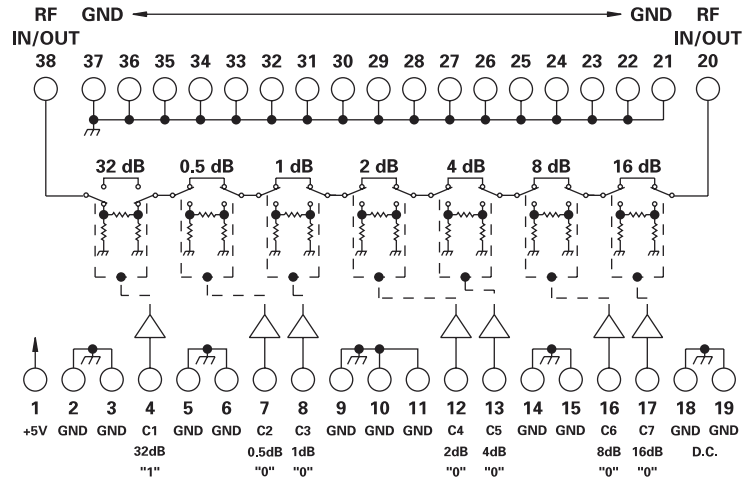
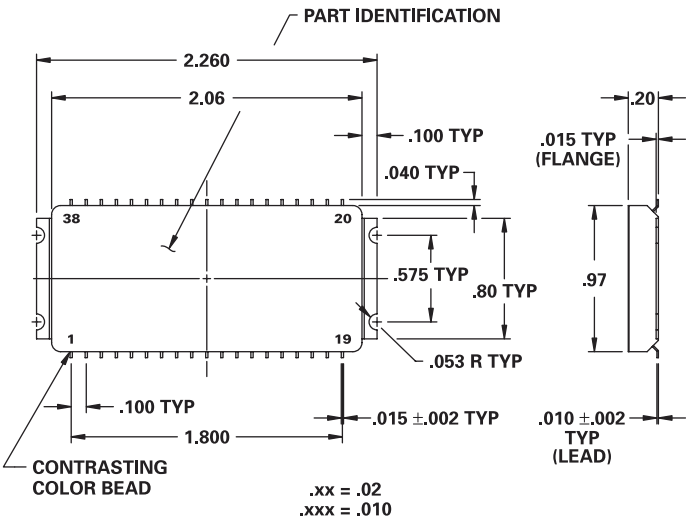
MODEL NUMBER DA0795

PIN Diode 7 Section Attenuator

FEATURES

- 30-500 MHz
- 0.5 dB LSB, 63.5 dB Range
- TTL Control
- 38 Pin Surface Mount Package
- See DA0295 for 38 Pin DIP Version
- See 100C1595 for Connectorized Version

7 BIT



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	30		500	MHz	
DC Current		51	85	mA	At +5 VDC Supply
Control Type		TTL			7 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High Low	0 -260	40 -400	μA	V _{IH} = +2.7 V V _{IL} = +0.5 V
Insertion Loss		4.5	6.0	dB	
Attenuation	LSB Range Accuracy	0	0.5 63.5	dB dB dB	0.5, 1, 2, 4, 8, 16, 32 ± (0.15 dB +2% of Atten. Setting in dB)
VSWR		1.2/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		7.8	20	μSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		1.6		μSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		88		mV	Peak Value
Intercept Points	2nd 3rd	+78 +36		dBm dBm	38.4 MHz / 52.2 MHz 69.6 MHz / 52.2 MHz
RF Power	Operate No Damage	+12	+10 +20	dBm dBm	0.1 dB Compression
Operating Temperature	-55	+25	+125	°C	TA

