

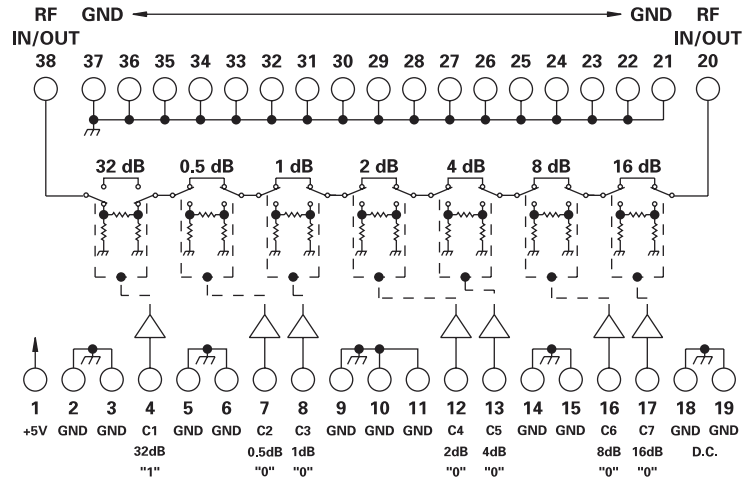
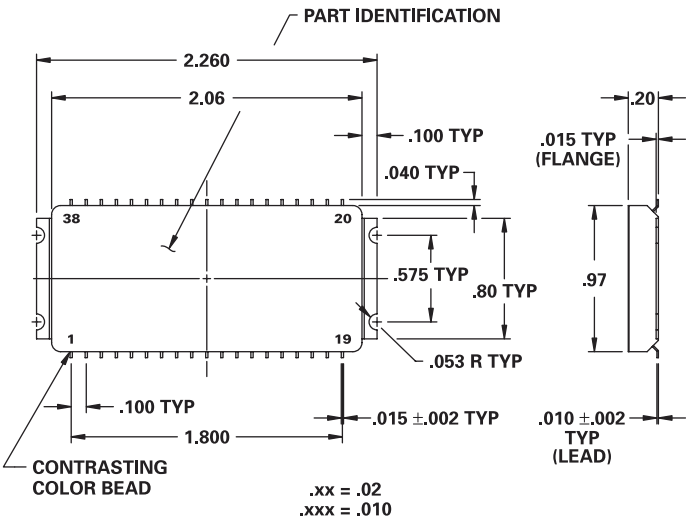
# MODEL NUMBER DA0795

# 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	0	40	μA	V <sub>IH</sub> = +2.7 V
	Low	-260	-400	μA	V <sub>IL</sub> = +0.5 V
Insertion Loss		4.5	6.0	dB	
Attenuation	LSB	0.5		dB	
	Range		63.5	dB	0.5, 1, 2, 4, 8, 16, 32
	Accuracy			dB	± (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	+78		dBm	38.4 MHz / 52.2 MHz
	3rd	+36		dBm	69.6 MHz / 52.2 MHz
RF Power	Operate	+12	+10	dBm	0.1 dB Compression
	No Damage		+20	dBm	
Operating Temperature	-55	+25	+125	°C	TA

