

FEATURES

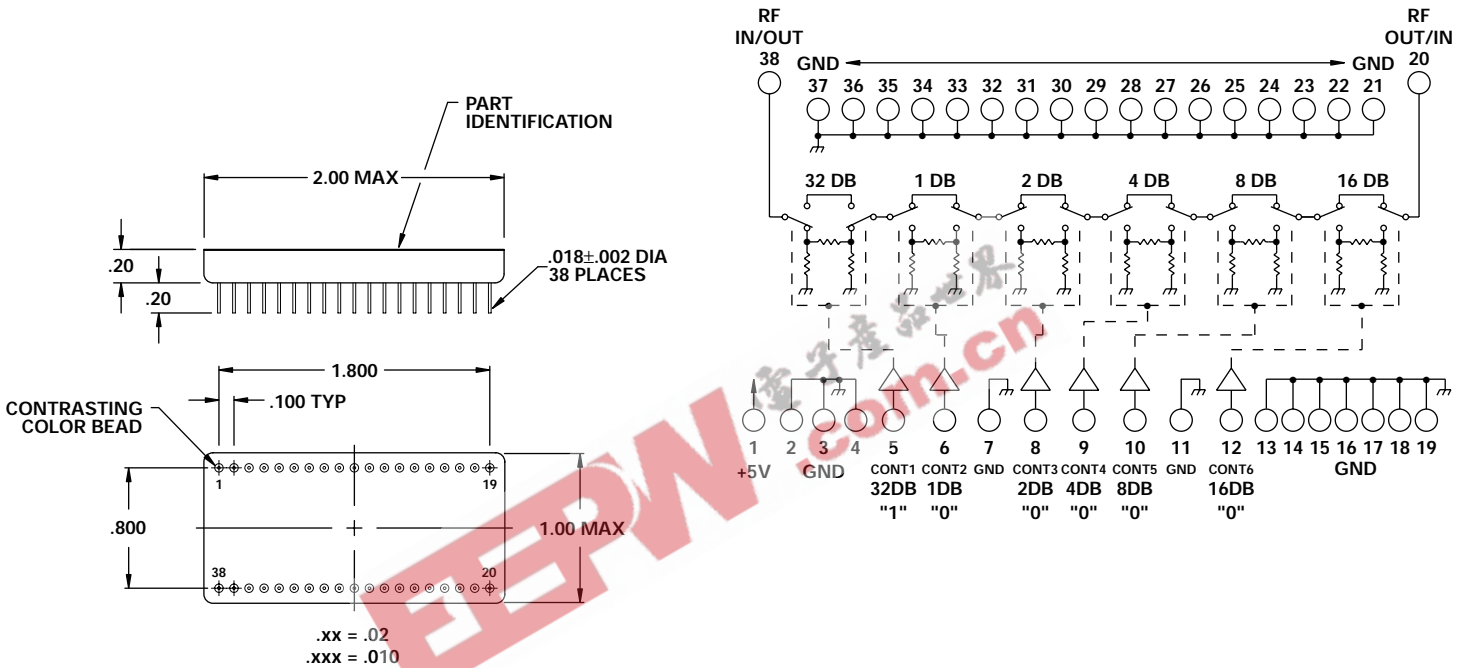
- 100 - 200 MHz
- 50 mA, +5 VDC
- 1 dB LSB, 63 dB Range
- TTL Control
- 38 Pin DIP



MODEL NO.
DA0844

PIN Diode 6 Section Attenuator

6 BIT



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	100		200	MHz	
DC Current		50	85	mA	At +5 VDC Supply
Control Type		TTL			6 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current			40	μ A	$V_{IH} = +2.7 V$
			-400	μ A	$V_{IL} = +0.5 V$
Insertion Loss		2.5	7.0	dB	
Attenuation		1	63	dB	1, 2, 4, 8, 16, 32
		0		dB	$\pm (0.25 \text{ dB} + 2\% \text{ of Atten. Setting in dB})$
VSWR		1.25/1	1.4/1		
Impedance		50		OHMS	
Switching Speed		10	50	μ Sec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		5		μ Sec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		100		mV	Peak Value
RF Power		+18	+13	dBm	0.1 dB Compression
			+20	dBm	
Operating Temperature	-40	+25	+85	$^{\circ}C$	TA

TYPICAL PERFORMANCE

