

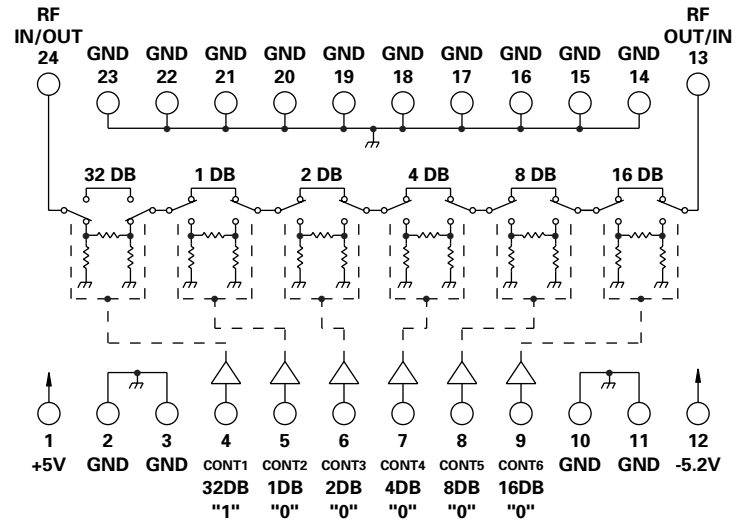
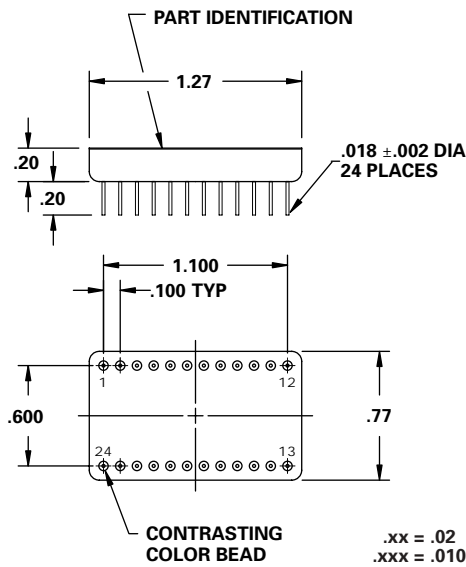
FEATURES

- DC - 2000 MHz
- 1 dB LSB, 63 dB Range
- 4.5 dB Insertion Loss
- TTL Control
- 24 Pin DIP



MODEL NO.
DAT61996

GaAs 6 Section Attenuator



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	DC		2000	MHz	
DC Current		0.4	5	mA	At +5 VDC Supply
		6.5	10	mA	At -5.2 VDC Supply
Control Type		TTL			6 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High	1.0	±10	µA	V _{IH} = +2.7 V
	Low	1.0	±10	µA	V _{IL} = +0.5 V
Insertion Loss		4.8	6.5	dB	
Attenuation	LSB	1		dB	
	Range	0	63	dB	1, 2, 4, 8, 16, 32
	Accuracy			dB	± (0.25 dB + 2% of Atten. Setting in dB)
VSWR		1.2/1	1.4/1		
Impedance		50		OHMS	
Switching Speed		140	200	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		10		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		100		mV	Peak Value
Intercept Points	2nd	+47		dBm	48 MHz
	3rd	+27		dBm	48 MHz
RF Power	Operate	+14	+10	dBm	1.0 dB Compression
	No Damage		+27	dBm	
Operating Temperature		-40	+25	+85	°C
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