

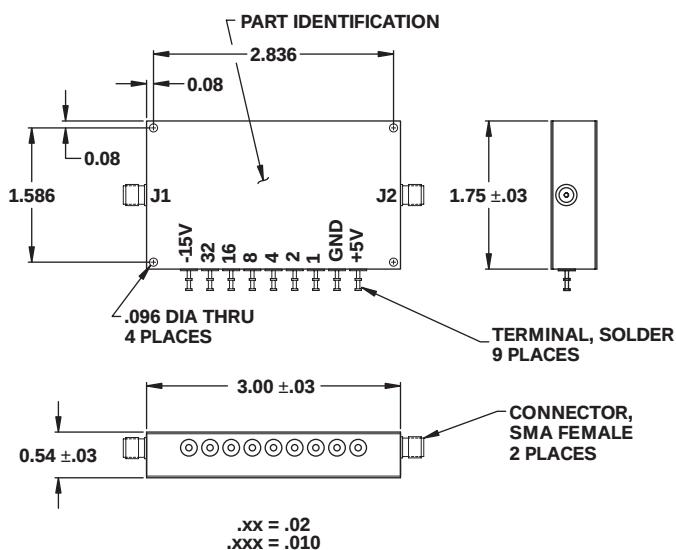
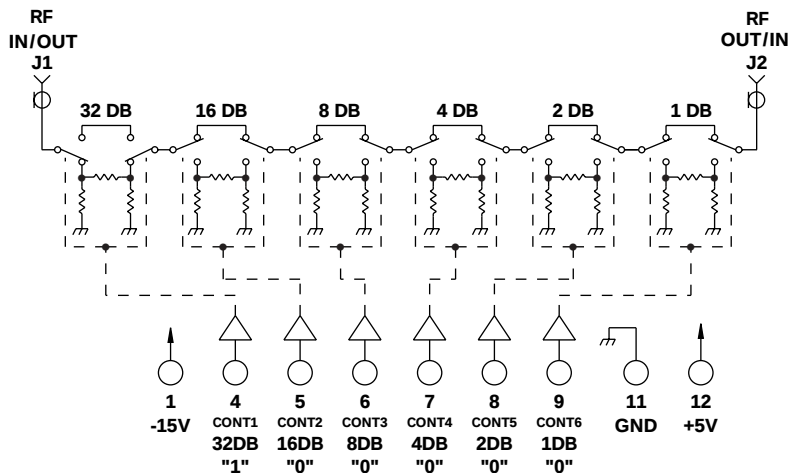
FEATURES

- DC - 400 MHz
- 2.2 dB Insertion Loss
- 20 mV Transients
- +21 dBm 0.1 dB Compression @ 1 MHz
- TTL Control
- SMA Connectors
- See DA0996 for 24 Pin DIP Version

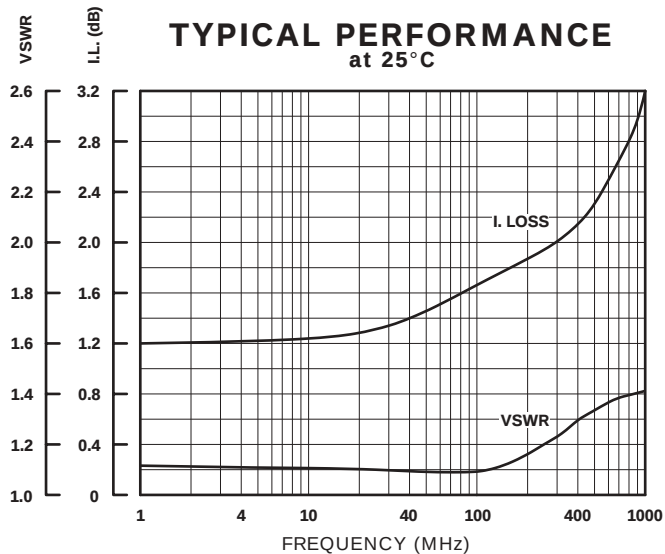


MODEL NO.
DAT69051

GaAs 6 Section Attenuator



N/C = NO INTERNAL CONNECTION



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	DC		400	MHz	
DC Current		20	35	mA	At +5 VDC Supply
		17	25	mA	At -15 VDC Supply
Control Type		TTL			6 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High	0	±40	µA	VIH = +2.7 V
	Low	0	±40	µA	VIL = +0.5 V
Insertion Loss		1.7	3.0	dB	DC - 100 MHz
		2.2	4.0	dB	100 - 400 MHz
Attenuation	LSB	0	1	dB	1, 2, 4, 8, 16, 32
	Range		63	dB	± (0.25 dB +2% of Atten. Setting in dB)
	Accuracy			dB	
VSWR		1.2/1	1.3/1		DC - 100 MHz
		1.3/1	1.7/1		100 - 400 MHz
Impedance		50		OHMS	
Switching Speed		70	200	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		50		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		20	80	mV	
Intercept Points	2nd	+50		dBm	5.6 MHz / 9.5 MHz
	3rd	+42		dBm	5.6 MHz / 7.3 MHz
RF Power	Operate	+21	+15	dBm	0.1 dB Compression
	No Damage		+30	dBm	
Operating Temperature	-55	+25	+85	°C	TA