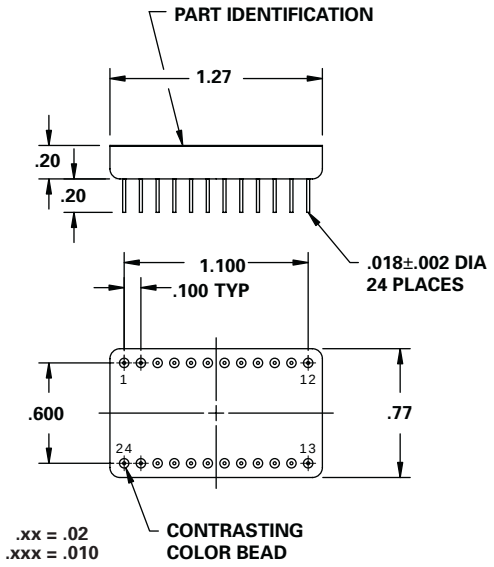
6 BIT

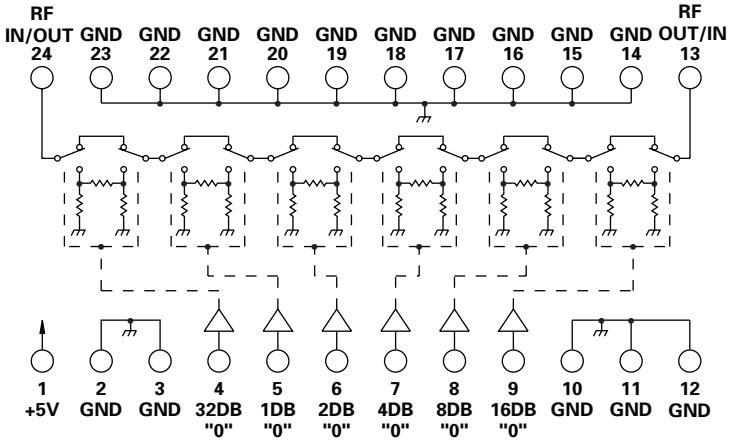
FEATURES

- 10 - 1000 MHz
- 1 mA, +5 VDC
- 1 dB LSB, 63 dB Range
- 34 nSec Switching Speed
- 15 nSec Transiton Time
- TTL Control
- 24 Pin DIP
- See DA0786 for Surface Mount Version

MODEL NO. DA0886

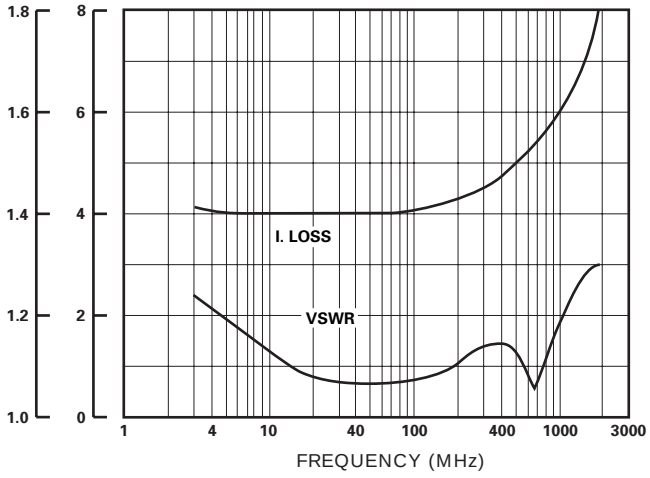
GaAs 6 Section Attenuator





TYPICAL PERFORMANCE

at 25°C



GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		10		1000	MHz	
DC Current			1	5	mA	At +5 VDC Supply
Control Type			TTL			6 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	*High*		0	±40	µA	VIH = +3.0 V
	Low		0	±40	µA	VIL = +0.5 V
Insertion Loss			4.2	5.5	dB	10 - 100 MHz
			6.3	7.5	dB	100 - 1000 MHz
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			34	50	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time			15		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients			280		mV	Peak Value
Intercept Points	*2nd*		+64		dBm	70 MHz / 50 MHz
	3rd		+44		dBm	35 MHz / 50 MHz
RF Power	*Operate*		+12	+10	dBm	0.1 dB Compression
	No Damage			+27	dBm	
Operating Temperature		-55	+25	+125	°C	TA