

FEATURES

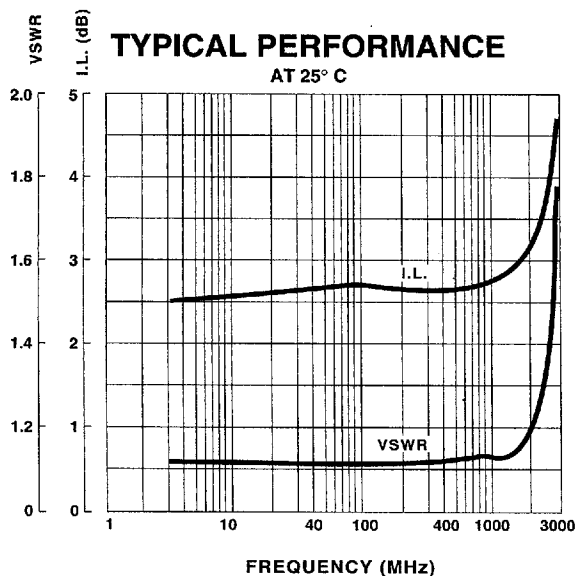
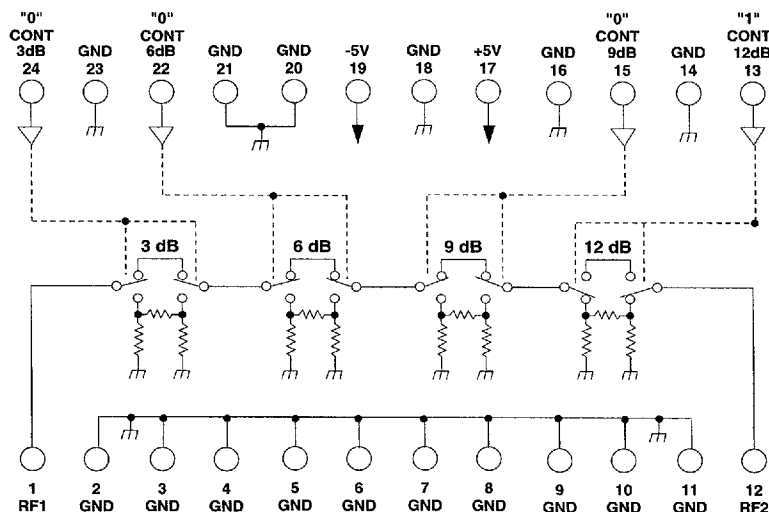
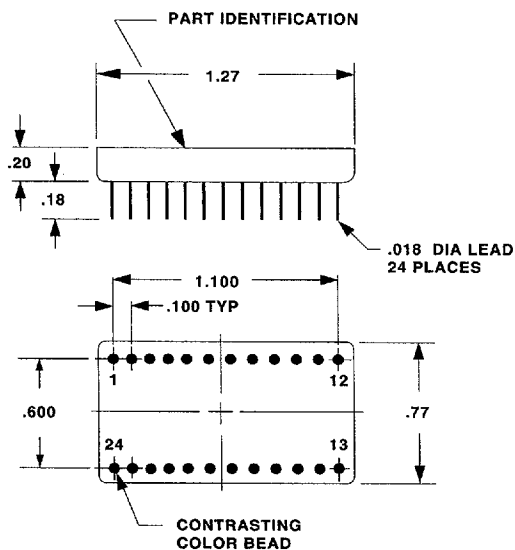
- DC - 2000 MHz
- <1mA, ± 5 VDC
- 3 dB LSB, 30 dB Range
- 30 nSec Switching Speed
- TTL Control
- 24 Pin DIP

4 BIT



**MODEL NO.
DAT41994**

GaAs 4 Section Attenuator



GUARANTEED PERFORMANCE

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
OPERATING FREQUENCY	DC		2000	MHz	
DC CURRENT		0.53 0.01	30 3	mA mA	AT +5 VDC SUPPLY AT -5 VDC SUPPLY
CONTROL TYPE		TTL			4 LINES; LOGIC "1" = ATTENUATION
CONTROL CURRENT:	HIGH LOW	1.0 1.0	± 10 ± 10	μ A μ A	V _{IH} = +5.0V V _{IL} = 0V
INSERTION LOSS		3.1	4	dB	
ATTENUATION:	LSB RANGE ACCURACY	0	3 30	dB dB dB	3, 6, 9, 12 ± 1.0 (0.25 dB +3% OF ATTN SETTING IN dB)
VSWR		1.25/1	1.7/1		
IMPEDANCE		50		OHMS	
SWITCHING SPEED		30	50	n SEC	50% TTL TO 90% / 10% RF
TRANSITION (RISE/FALL) TIME		10		n SEC	10%/90% OR 90%/10% RF
SWITCHING (VIDEO) TRANSIENTS		30		mV	PEAK VALUE
INTERCEPT POINT,	2ND 3RD	+68 +32		dBm dBm	1700/700 MHz 850/750 MHz
RF POWER:	OPERATE NO DAMAGE	+20	+10 +17	dBm dBm	0.1 dB COMPRESSION @ 10MHz
OPERATING TEMPERATURE	-55	+25	+125	°C	TA