

FEATURES

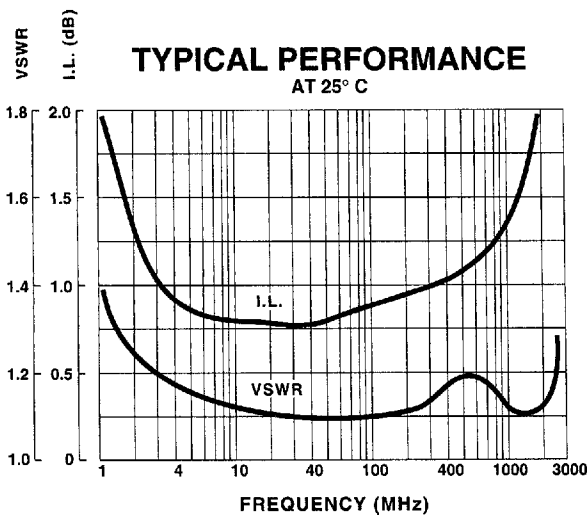
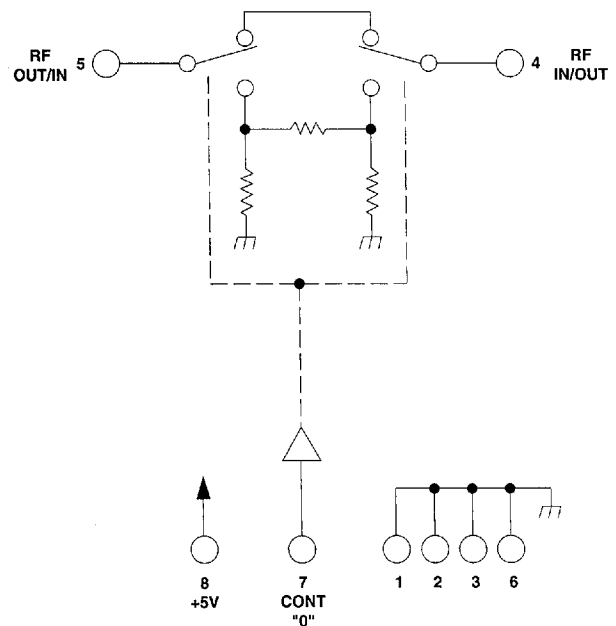
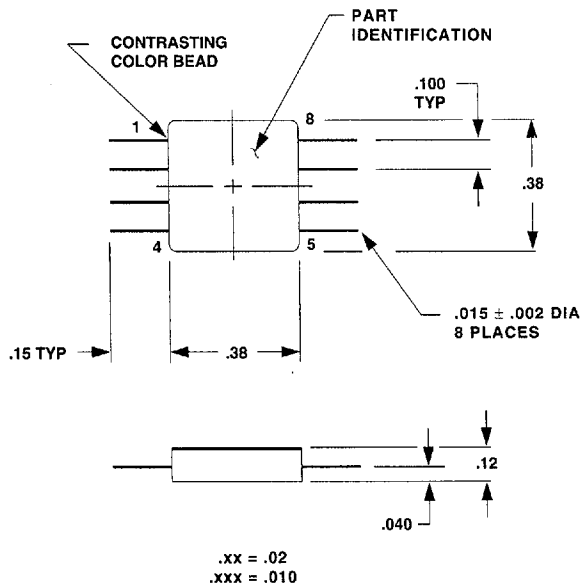
- 5 - 1000 MHz
- 0.4 mA, +5 VDC
- TTL Control
- 0.380 Sq. Package



**MODEL NO.
DA0944-10**

GaAs 1 Section Attenuator

1 BIT



GUARANTEED PERFORMANCE

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
OPERATING FREQUENCY	5		1000	MHz	
DC CURRENT		0.4	1.0	mA	AT +5 VDC SUPPLY
CONTROL TYPE		TTL			1 LINE LOGIC "0" = THRU LOGIC "1" = ATTENUATION
CONTROL CURRENT:	HIGH LOW	0 0	±20 ±20	μA	V _{IN} = +3.0V V _{IL} = +0.5V
INSERTION LOSS		0.9 1.4	1.2 2.0	dB dB	5 - 200 MHz 200 - 1000 MHz
ATTENUATION	FIXED RANGE ACCURACY	0	10	dB dB dB	10 ± (0.25 dB + 2% OF ATTEN. SETTING IN dB)
VSWR		1.2/1	1.35/1		
IMPEDANCE		50		OHMS	
SWITCHING SPEED		30	50	nSEC	50% TTL TO 90% / 10% RF
TRANSITION (RISE/FALL) TIME		20		nSEC	90% / 10% OR 10% / 90% RF
SWITCHING (VIDEO) TRANSIENTS		45		mV	PEAK VALUE
INTERCEPT POINTS,	2ND 3RD	+73 +48		dBm dBm	70 MHz / 50 MHz 35 MHz / 50 MHz
RF POWER:	OPERATE NO DAMAGE	+13	+10 +30	dBm dBm	0.1 dB COMPRESSION
OPERATING TEMPERATURE	-55	+25	+125	°C	TA