

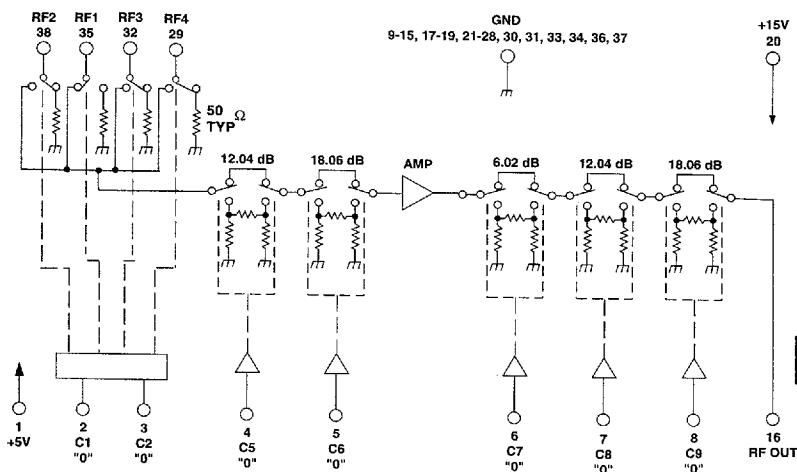
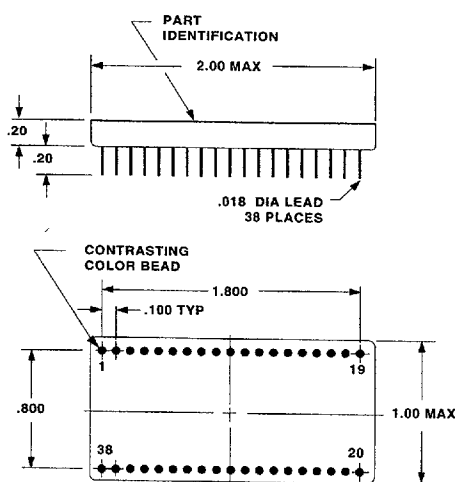
FEATURES

- 9 - 10 MHz
- +13 dBm 0.1 dBm Compression In Thru State
- +30 dBm 3rd Order Intercept Point
- 16.5 dB Gain
- Integrated GaAs MMIC Switches, Attenuators, Silicon Transistor Amplifier, and TTL Drivers



**MODEL NO.
CHD01940**

**Switch-Attenuator
Amplifier HDMIC**



GUARANTEED PERFORMANCE

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
OPERATING FREQUENCY	9		10	MHz	
DC CURRENT		11 53	15 60	mA	AT +5 VDC SUPPLY AT +15 VDC SUPPLY
CONTROL TYPE		TTL			
CONTROL CURRENT:	HIGH LOW		±20 ±20	μA μA	V _{IH} = +2.7V V _{IL} = +0.5V
INSERTION LOSS (GAIN)		16.5		dB	
ATTENUATION:	STEPS RANGE ACCURACY VS TEMP VS PHASE	0	66.22 ±0.2 ±0.5 ±10	dB dB dB dB	6.02, 12.04, 12.04, 18.06, 18.06 SEE TABLE VALUE < 33 dB VALUE > 33 dB BETWEEN ANY TWO ATTENUATION STATE
VSWR:	THRU TERMINATION	1.2/1 1.5/1	1.5/1 2.0/1		
IMPEDANCE		50		OHMS	
SWITCHING SPEED		35	50	nSEC	50% TTL TO 10% / 90% RF
TRANSITION (RISE/FALL) TIME		20		nSEC	10% / 90% OR 90%/10% RF
SWITCHING (VIDEO) TRANSIENTS		200 350	350 600	mV	SINGLE CHANGE OF INPUT ANY COMBINATION OF CHANGE
INTERCEPT POINTS,	2ND 3RD	+26	+30	dBm dBm	C5-C9 = 0
RF POWER:	OPERATE NO DAMAGE	-2 +13	-3 +12	dBm dBm	-1.0 dB COMP. C5-C9=0 C5-C9=1 0.1 dB COMP.
OPERATING TEMPERATURE		0	+25	°C	TA