

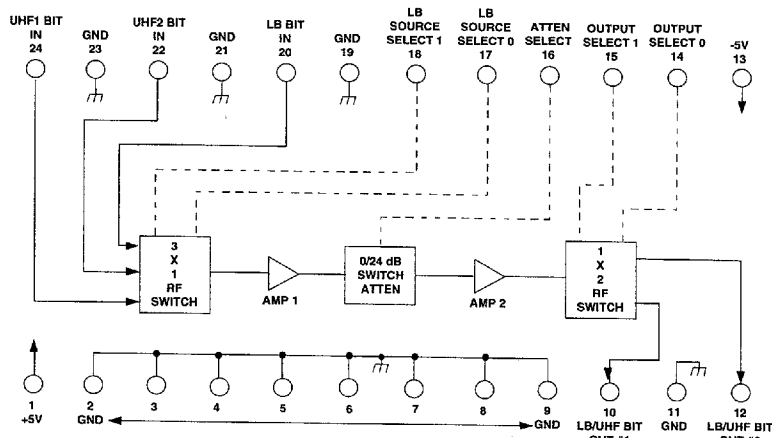
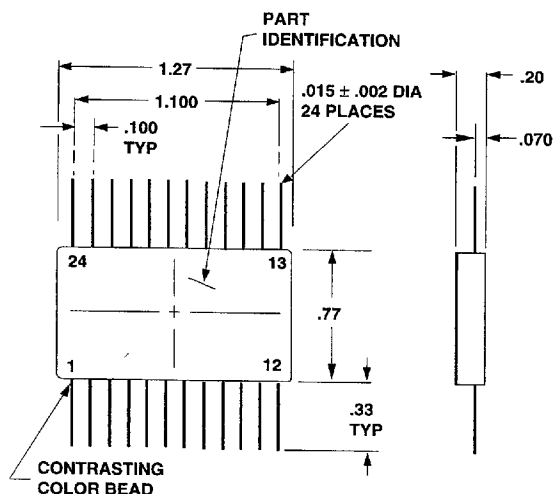
FEATURES

- 180-2000 MHz
- High Density MIC
- 26 dB Gain
- Flatpack Case



**MODEL NO.
DAD08059**

L-Band/UHF Hybrid



HDI

SOURCE SELECT CONTROL LOGIC		
SOURCE SELECT 1	SOURCE SELECT 0	FUNCTION
0	0	OFF
0	1	L-BAND BIT IN
1	0	UHF2 BIT IN
1	1	UHF 1 BIT IN

OUTPUT SELECT CONTROL LOGIC		
SOURCE SELECT 1	SOURCE SELECT 0	FUNCTION
0	0	OFF
0	1	OUTPUT #1 ON
1	0	OUTPUT #2 ON
1	1	NOT VALID STATE

SWITCHABLE ATTENUATOR CONTROL LOGIC	
SOURCE SELECT 1	FUNCTION
0	0 dB SELECTED
1	24 dB SELECTED

GUARANTEED PERFORMANCE

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
OPERATING FREQUENCY	180		2000	MHz	
DC CURRENT		0.3	140	mA	AT +5 VDC SUPPLY AT -5 VDC SUPPLY
CONTROL TYPE		TTL			LINE
CONTROL CURRENT:	HIGH LOW		±20 ±20	μA μA	V _{IH} =+2.7V V _{IL} =+0.5V
GAIN	24.5		27.5	dB	ATTENUATOR DISABLED
GAIN VARIATION WITH TEMPERATURE	-1.5		+1.5		ATTENUATOR DISABLED
SWITCH ATTENUATION	23		25	dB	
SWITCH ATTENUATION VARIATION WITH TEMPERATURE	-1		+1		
OUTPUT SELECT RF SWITCH ISOLATION	45			dB	BETWEEN ANY SELECTED OUTPUT AND OTHER NON-SELECTED OUTPUT
SOURCE SELECT RF SWITCH ISOLATION	40			dB	BETWEEN ANY SELECTED INPUT AND OTHER NON-SELECTED INPUTS
VSWR	INPUT OUTPUT		1.5/1 1.5/1		INPUT SELECTED OR NOT SELECTED OUTPUT SELECTED OR NOT SELECTED
IMPEDANCE		50		OHMS	
SWITCHING SPEED		30	100	n SEC	50% TTL - 90% / 10% RF
TRANSITION (RISE/FALL) TIME		5		n SEC	10%/90% OR 90%/10% RF
SWITCHING (VIDEO) TRANSIENTS		50		mV	PEAK VALUE
INTERCEPT POINT, 2ND		36		dBm	MHz
3RD		23		dBm	MHz
RF POWER OUTPUT POWER AT 1 dB GAIN COMPRESSION	+10	+13		dBm	ATTENUATOR DISABLED
OPERATING TEMPERATURE	-55	+25	+70	°C	TA