

FEATURES

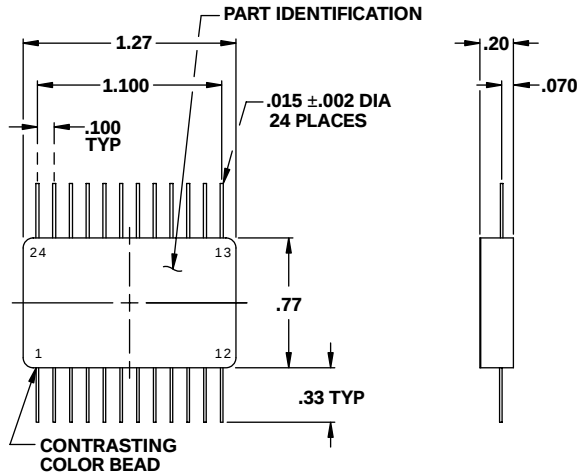
- 180 - 2000 MHz
- High Density MIC
- 26 dB Gain
- Flatpack Case

HDI

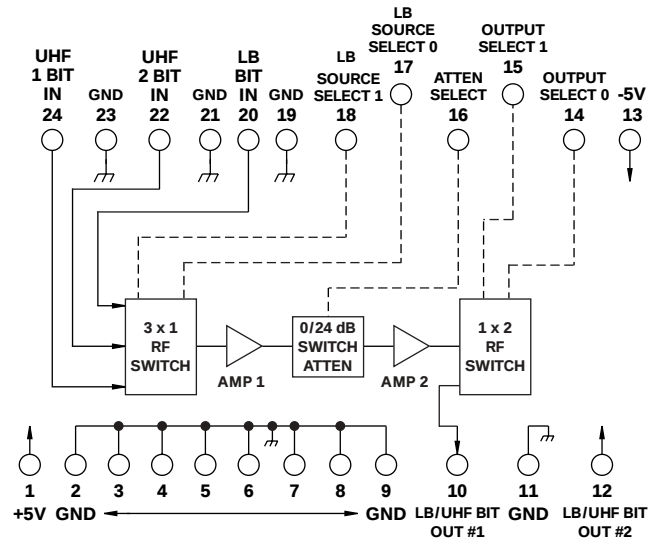


MODEL NO.
DAD08059

L-Band / UHF Hybrid



.xx = .02
.xxx = .010



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	180		2000	MHz	
DC Current		0.3	140	mA	At +5 VDC Supply
			20	mA	At -5 VDC Supply
Control Type		TTL			Line
Control Current	High		±20	µA	V _{IH} = +2.7 V
	Low		±20	µA	V _{IL} = +0.5 V
Gain	24.5		27.5	dB	Attenuator Disabled
Gain Variation with Temp	-1.5		+1.5		Attenuator Disabled
Switch Attenuation	23		25	dB	
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		1.5/1		Input Selected or Not Selected
	Output		1.5/1		Output Selected or Not Selected
Impedance		50		OHMS	
Switching Speed		30	100	nSec	50% TTL - 90% / 10% RF
Transition (Rise/Fall) Time		5		nSec	10% / 90% or 90% / 10% RF
Switching (Video) Transients		50		mV	Peak Value
Intercept Points	2nd	36		dBm	MHz
	3rd	23		dBm	MHz
RF Power	Output Power at 1dB Gain Compression	+10	+13	dBm	Attenuator Disabled
Operating Temperature		-55	+25	+70	°C
					TA

Source Select Control Logic		
Source Select 1	Source Select 0	Function
0	0	Off
0	1	L-Band Bit In
1	0	UHF 2 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