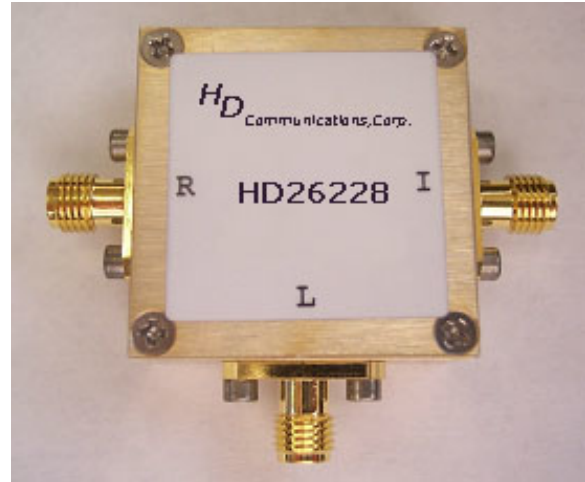


HD26228

1500-4500MHz Frequency Mixer

Features

- LO/RF: 1500-4500MHz
- IF: DC-1500MHz
- LO Level: +13dBm
- Conversion Loss: 8.5dB
- RF Input: Up to +10dBm
- IP3: +19dBm
- SMA Connector



Description

HD26228 is a passive double balanced mixer operates with LO drive level range of +9dBm to +17dBm.

Electrical Specifications @ +25 °C, LO= +13dBm

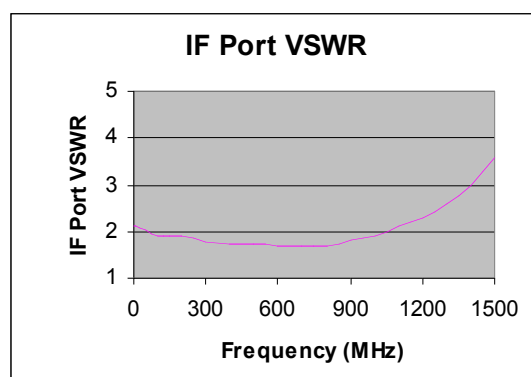
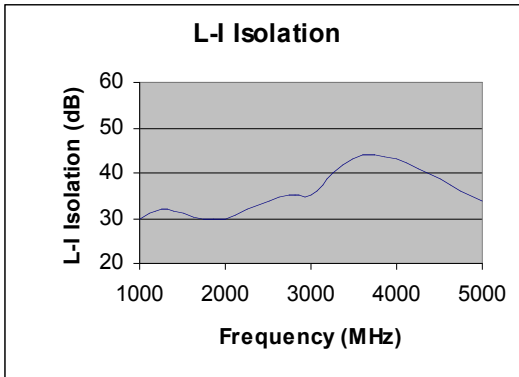
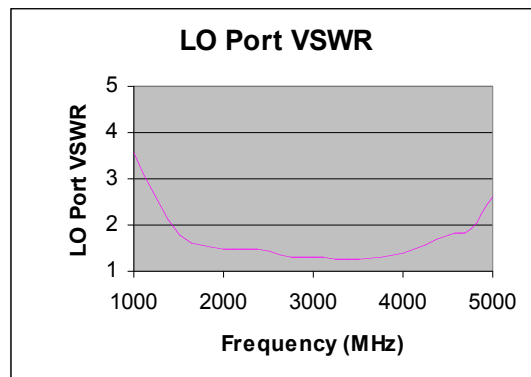
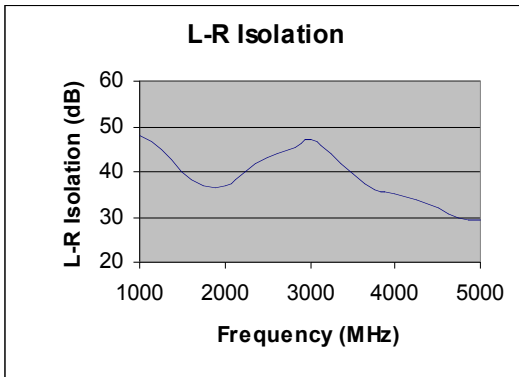
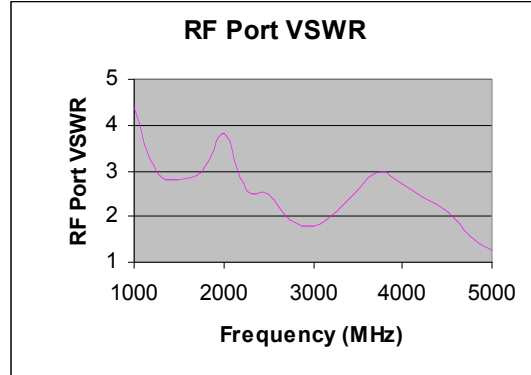
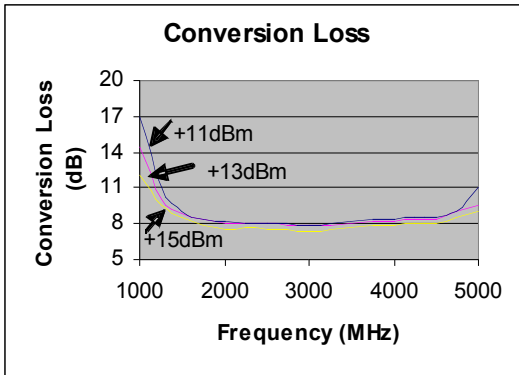
Parameter	Unit	Minimum	Typical	Maximum
Frequency Range				
LO/RF	MHz	1500		4500
IF	MHz	DC		1500
Conversion Loss	dB		8.5	10
LO-RF Isolation				
1500-4500 MHz	dB	29	40	
LO-IF Isolation				
1500-4500MHz	dB	27	35	
RF Input Power up to	dBm	+7	+10	
IP3 (Center Band)	dBm	+16	+19	

HD26228

1500-4500MHz Frequency Mixer

Typical Performance @ +25 °C

LO = +13dBm



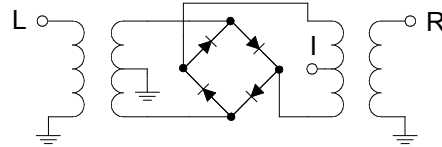
HD26228

1500-4500MHz Frequency Mixer

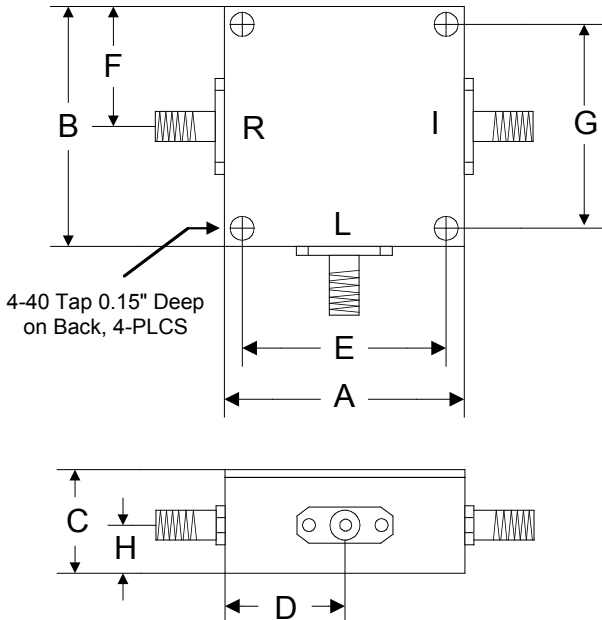
Absolute Maximum Ratings

Parameter	Absolute Maximum
RF/IF Power	+13dBm
LO Power	+27dBm
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-65 °C to +150 °C

Schematic



Outline



	A	B	C	D	E	F	G	H
Inch	1.250	1.250	0.563	0.625	1.000	0.625	1.000	0.250
mm	31.75	31.75	14.29	15.88	25.40	15.88	25.40	6.35