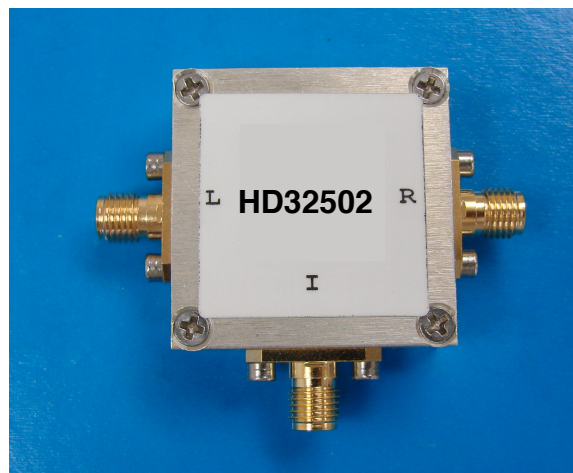


## 1500-2000MHz Frequency Mixer

### Features

- LO/RF: 1500-2000MHz
- IF: DC-300MHz
- LO Level: +7dBm
- Conversion Loss: 6dB
- RF Input: Up to +1dBm
- IP3: +14dBm
- SMA Connector

### Picture



### Description

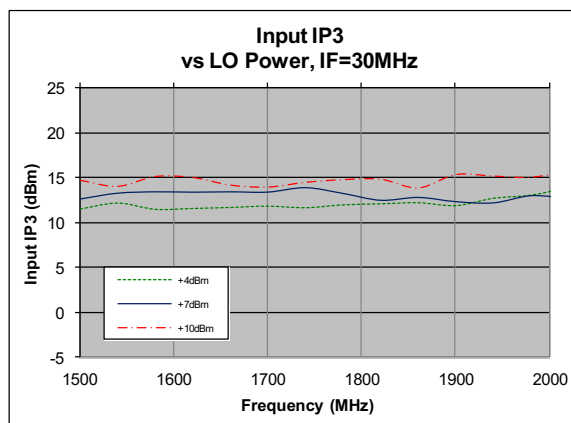
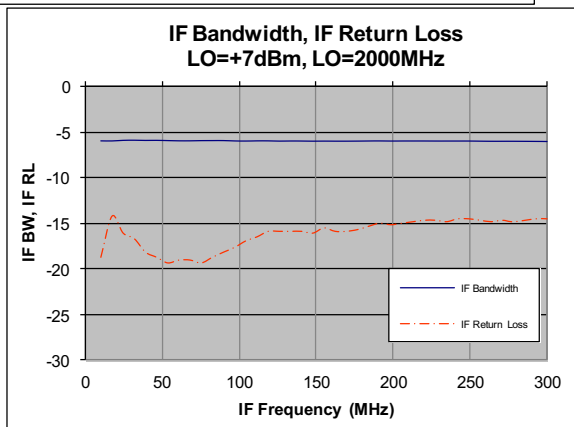
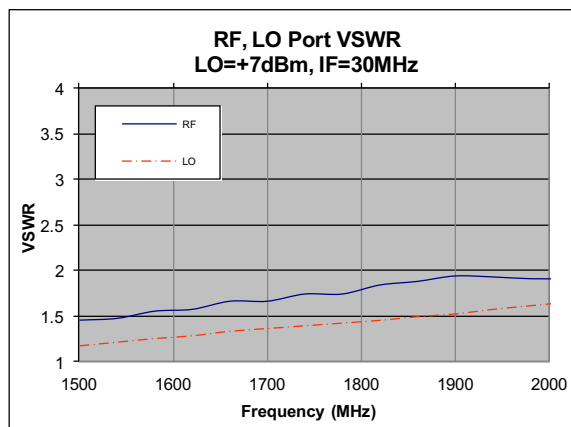
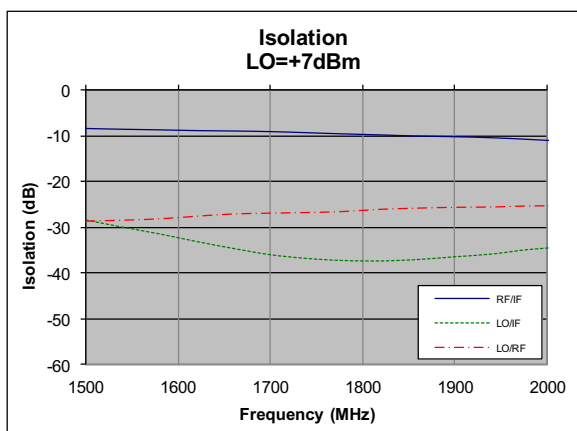
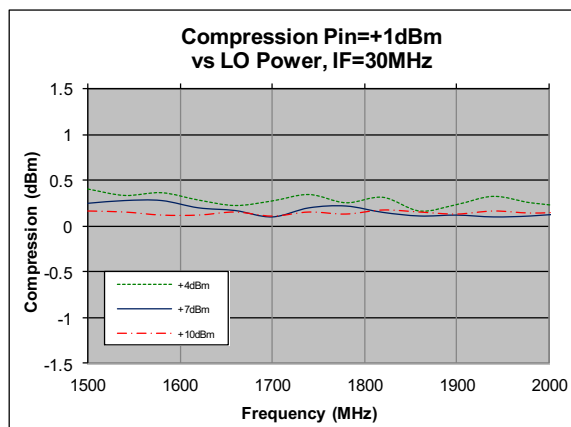
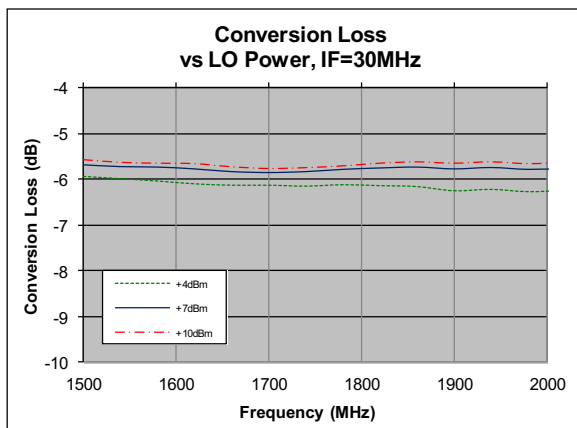
HD32502 is a passive double balanced mixer operates with LO drive level range of +4dBm to +10dBm.

### Electrical Specifications @ +25 °C, LO= +7dBm, IF=30MHz, 50 Ω

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range				
LO/RF	MHz	1500		2000
IF	MHz	DC		300
Conversion Loss	dB		6.0	8.0
LO-RF Isolation	dB	22	31	
LO-IF Isolation	dB	20	28	
RF Input Power up to	dBm		+1	
Input IP3 (Center Band)	dBm		+14	

## 1500-2000MHz Frequency Mixer

### Typical Performance @ +25 °C

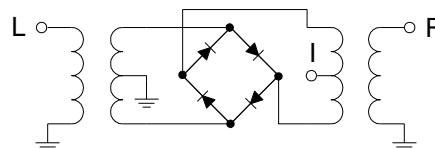


## 1500-2000MHz Frequency Mixer

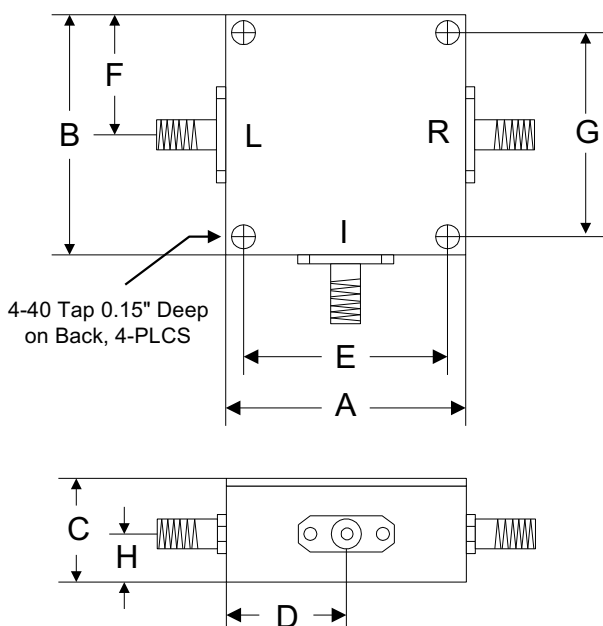
### Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	+17dBm
Peak IF Current	40mA
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-55 °C to +100 °C

### Schematic



### Outline



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