

FEATURES :

- **High Linearity**
- **Low Conversion Loss**
- **High Image Rejection**

SPECIFICATIONS

RF Frequency Range, [GHz]	3.5 - 7
LO Frequency Range, [GHz]	3.5 - 7
IF Frequency Range, [MHz]	octave bands
Conversion Loss, max [dB]	7.5
Image Rejection, min [dB]	25
VSWR RF port, max	3.0 : 1
LO port, max	2.0 : 1
IF Port, max	1.2 : 1
Isolation LO - RF, min [dB]	30
LO - IF, min [dB]	35
RF - IF, min [dB]	30
LO Power typ. [dBm]	15±1
Input 1dB C.P. min [dBm]	+12
Input IP ³ min [dBm]	+22
Impedance, [Ohm]	50

Maximum Ratings

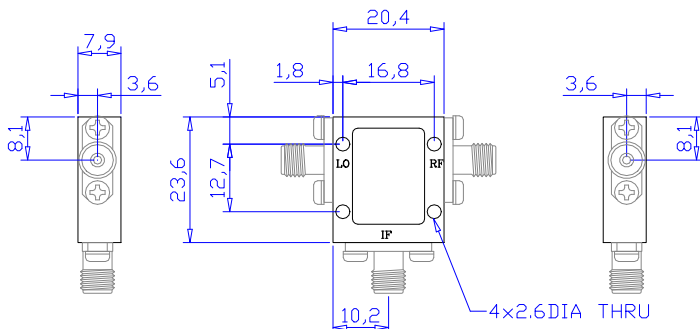
RF Input Power, [dBm]	20
LO Power, [dBm]	27
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +125°C

Ordering Information

Model No.	IF Frequency, MHz
IRM3500-7000A	7 to 14
IRM3500-7000B	10 to 20
IRM3500-7000C	20 to 40
IRM3500-7000D	40 to 80
IRM3500-7000E	55 to 110
IRM3500-7000F	100 to 200

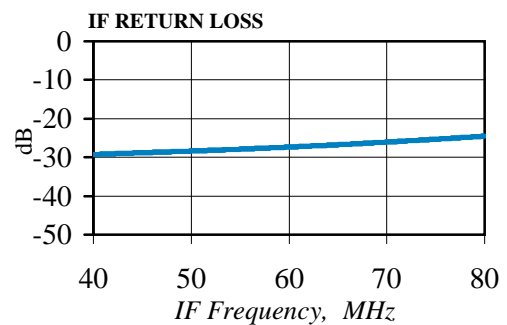
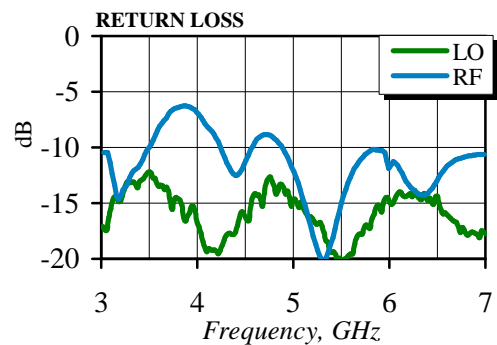
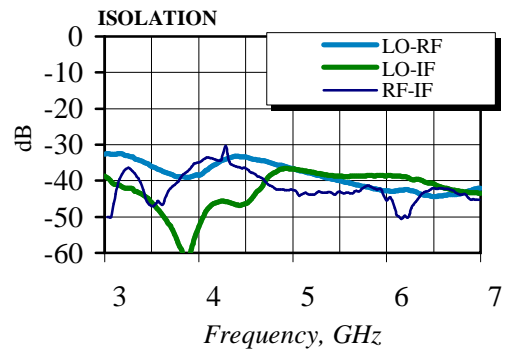
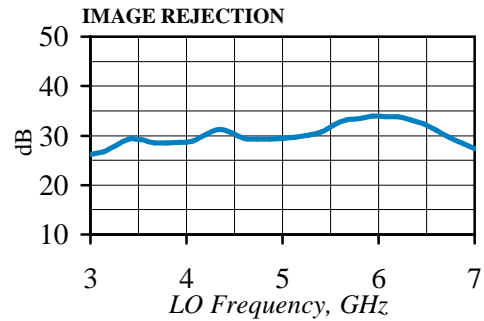
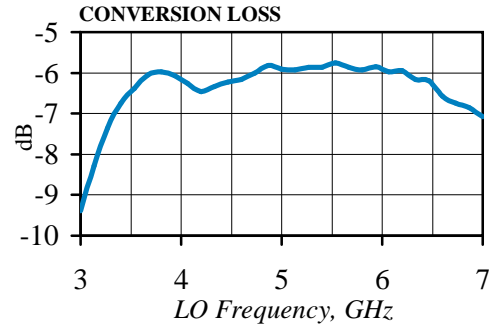
Outline drawing

dimensions in mm



Specifications Subject To Change Without Notice

Typical Performance



All parameters measured at LO Frequency 5GHz and LO power +15dBm @ +25°C