

### FEATURES :

- RF 35 to 45MHz
- IF 1KHz to 5MHz
- Image Rejection 25dB



### SPECIFICATIONS

RF Frequency Range, [MHz]	35 - 45
LO Frequency Range, [MHz]	40
IF Frequency Range, [MHz]	0.001 - 5
Conversion Loss, typ/max [dB]	7.0/8.0
Image Rejection, typ/min [dB]	23/20
VSWR RF port, max	1.5 : 1
LO port, max	1.2 : 1
IF Port, max	1.5 : 1
Isolation LO - RF, min [dB]	60
LO - IF, min [dB]	60
RF - IF, min [dB]	50
LO Power typ. [dBm]	12±1
Input 1dB C.P. typ [dBm]	+7
Input IP <sup>3</sup> typ [dBm]	+19

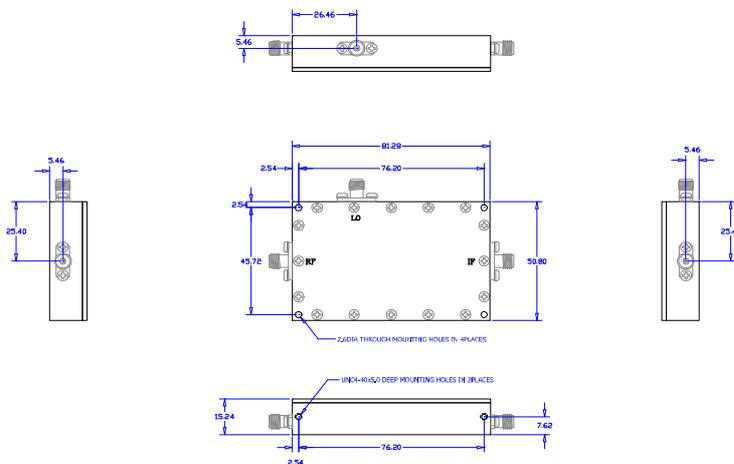
### Operating Characteristics

Maximum RF Input Power, [dBm]	20
Maximum LO Power, [dBm]	23
Impedance, [Ohm]	50
Operating Temperature	-20°C to +70°C

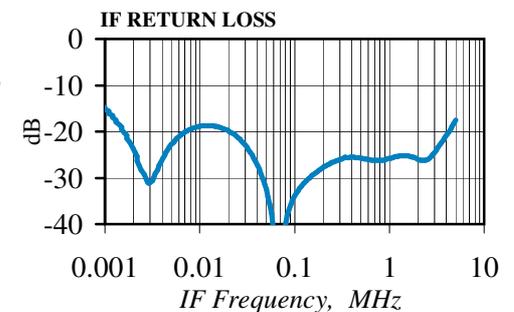
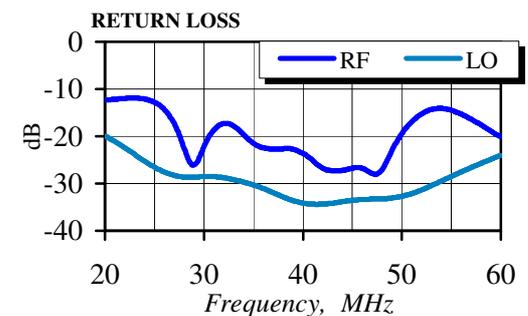
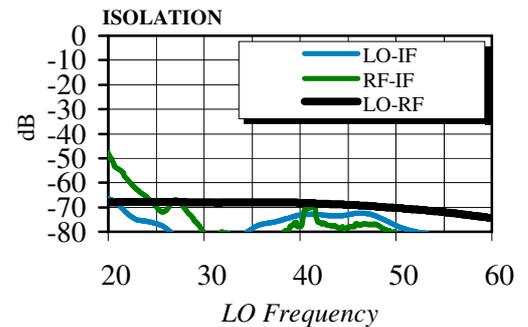
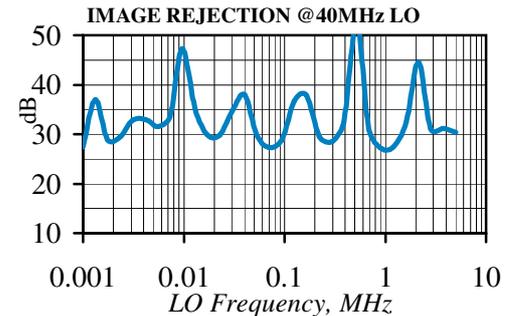
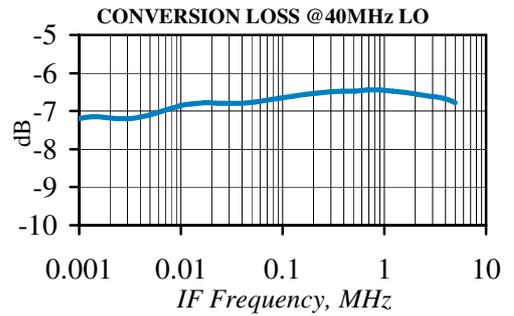
### Ordering Information

Model No.	Connectors
IRM40-1K-5M	SMA

### Outline drawing M2 dimensions in mm



### Typical Performance



RF return loss, IF return loss & RF-IF isolation measured @40MHz LO

Specifications Subject To Change Without Notice

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