

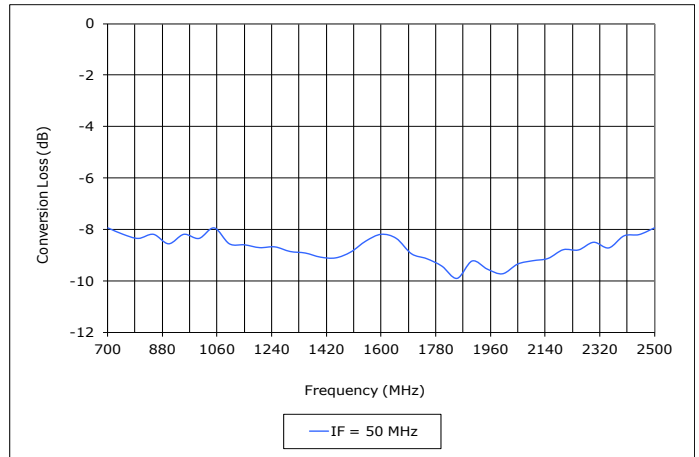
MESFET HIGH IP³ MIXER

SURFACE MOUNT MODEL: SFM-5

OPTIMIZED BANDWIDTH

FEATURES:

- ▶ Wide Bandwidth
- ▶ Surface Mount
- ▶ Lead Free REL-PRO[®] Technology



SPECIFICATIONS (Rev. C 03/25/14)

Frequency (MHz)	LO	RF	IF
	650 - 2000	700 - 2400	50 - 200
Conversion Loss (dB)	Typ.	Max.	
	10.0	11.8	
Isolation (dB)		Typ.	Min.
	LO/RF	25	18
	LO/IF	20	15
	RF/IF	20	17
LO Power	+17 dBm (Nom.)		
1 dB Comp. Pt.	+23 dBm (Typ.)		
Input IP ³	+38 dBm (Typ.)		
Vdd	+5 Volts (Nom.) @ 50 mA (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-20 to +70 °C		

Package # 285

RECOMMENDED PCB LAYOUT

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200 & AN7301

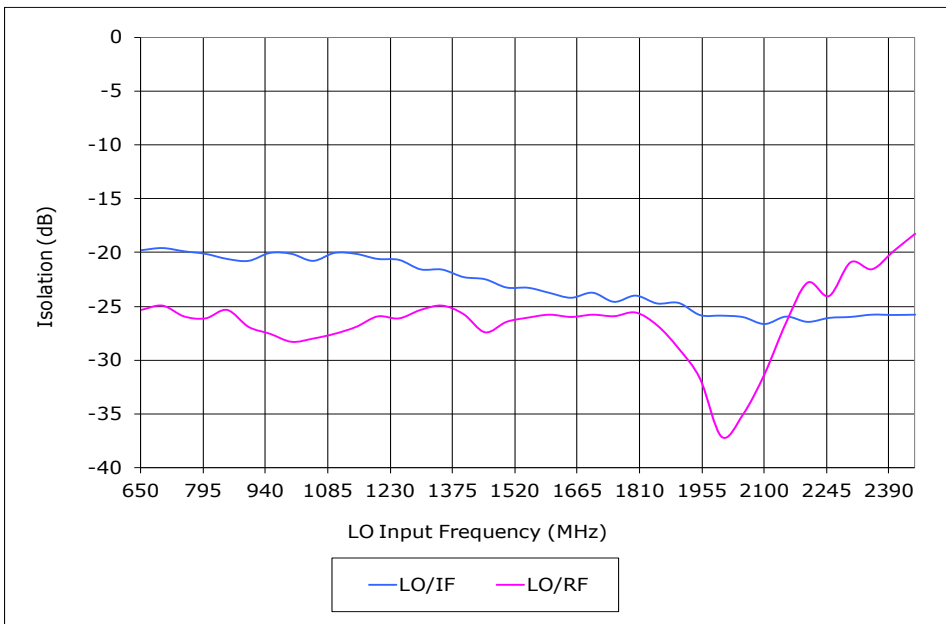
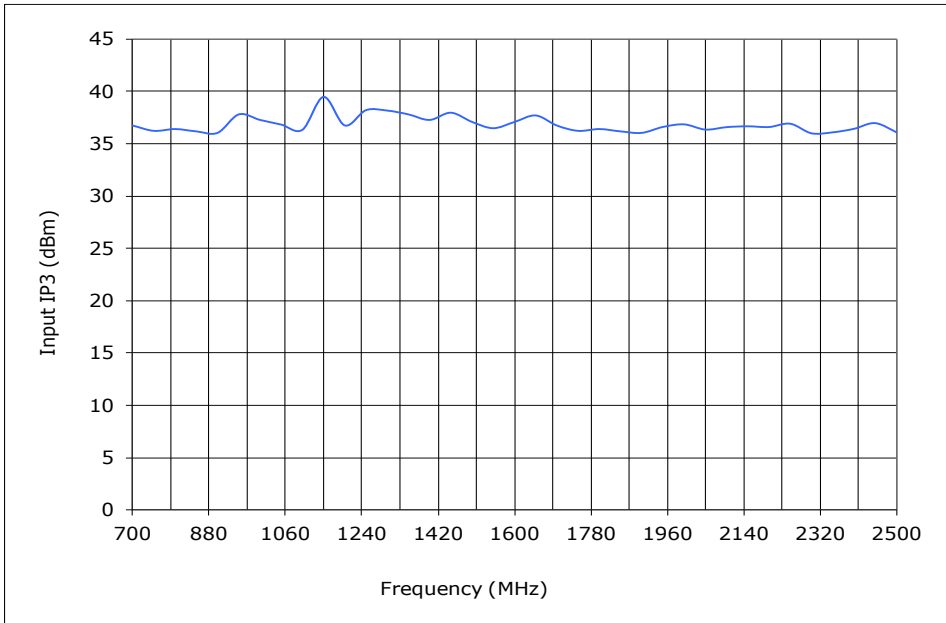
PORT LOCATION				
RF	LO	IF	Vdd	GND
2	13	21	10	All Others

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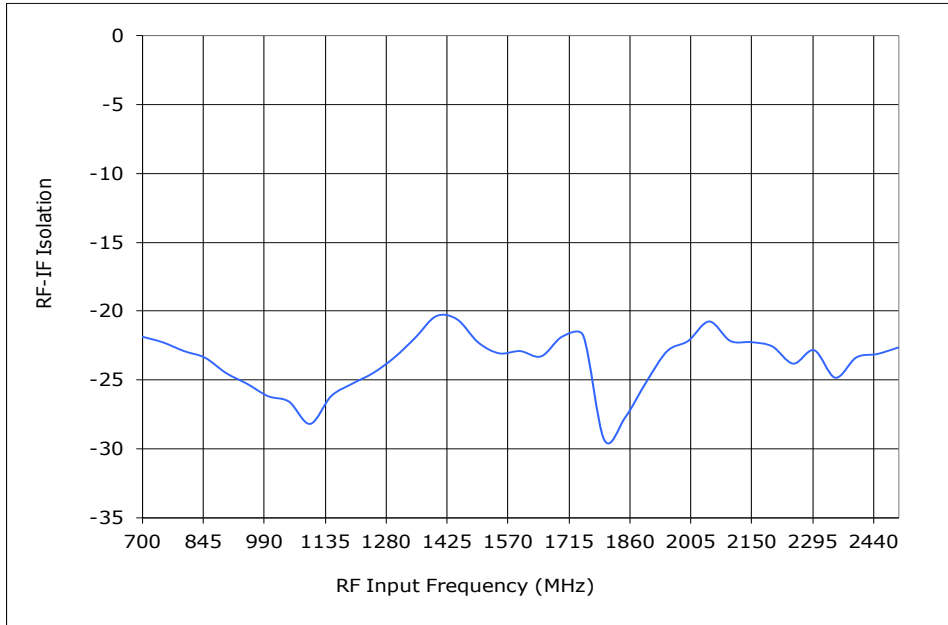
PERFORMANCE PLOTS



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PERFORMANCE PLOTS