

MESFET HIGH IP³ MIXER

SURFACE MOUNT MODEL: SFM-2

OPTIMIZED BANDWIDTH

FEATURES:

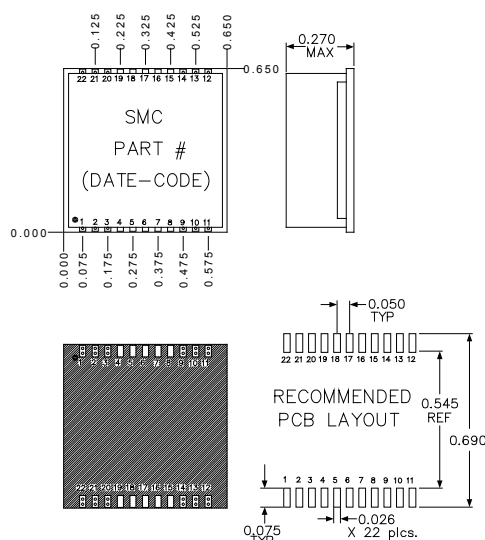
- ▶ High Performance
- ▶ High IP³
- ▶ Small Size, Surface Mount
- ▶ RoHS Compliant
- ▶ Lead Free REL-PRO® Technology



SPECIFICATIONS (Rev. C 06/24/15)

Frequency (MHz)	LO	RF	IF
	62 - 94	0.1 - 32	30 - 96
Conversion Loss (dB)	Typ.		Max.
	7.5		9.0
Isolation (dB) *		Typ.	Min.
	LO/RF	25	20
	LO/IF	18	13
	RF/IF	28	20
LO Power	0 dBm (Nom.)		
1 dB Comp. Pt.	+23 dBm (Typ.)		
Input IP ³	+36 dBm (Typ.)		
Vdd	+5 Volts @ 80 mA (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-20 to +70 °C		
* Isolation values apply for Sinewave L.O. signals.			

Package # 285



PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200 & AN7301

PORT CONFIGURATION

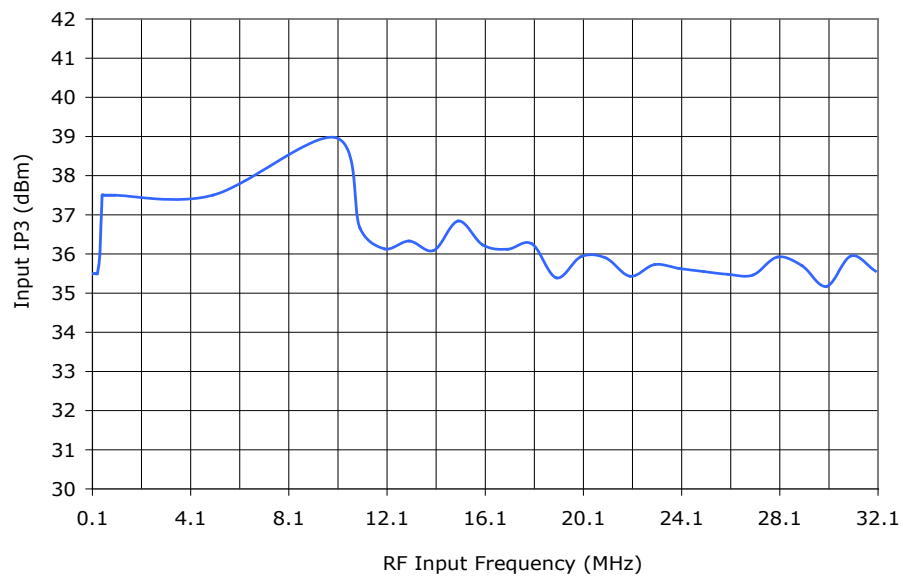
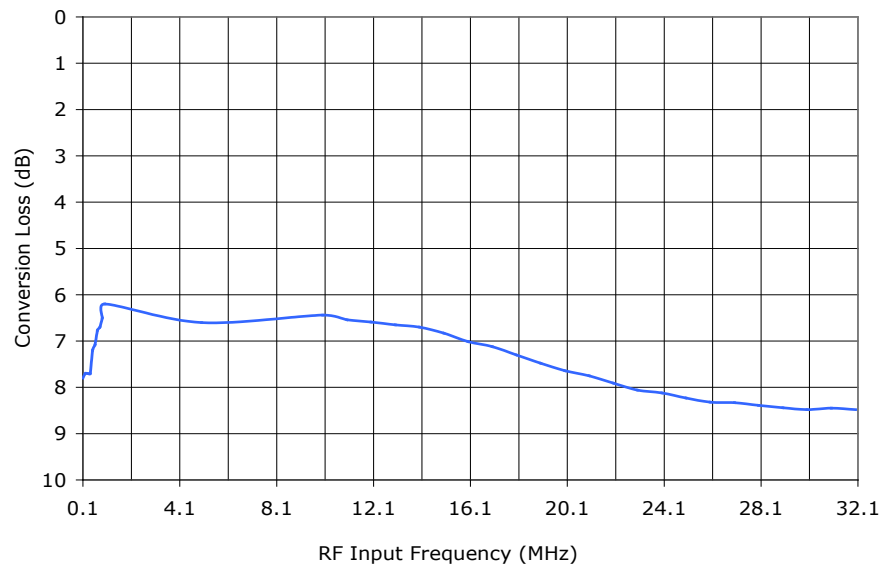
RF	LO	IF	Vdd	GND
21	13	2	10	All Others

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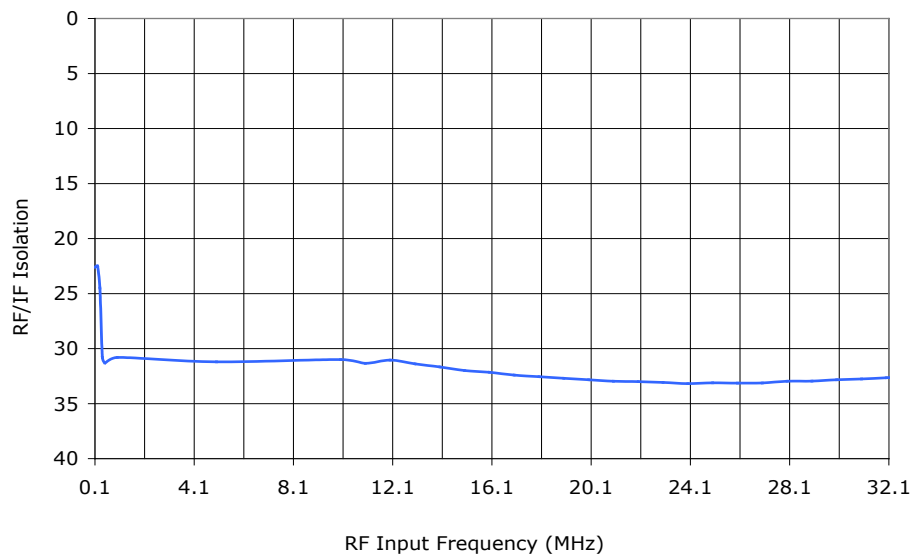
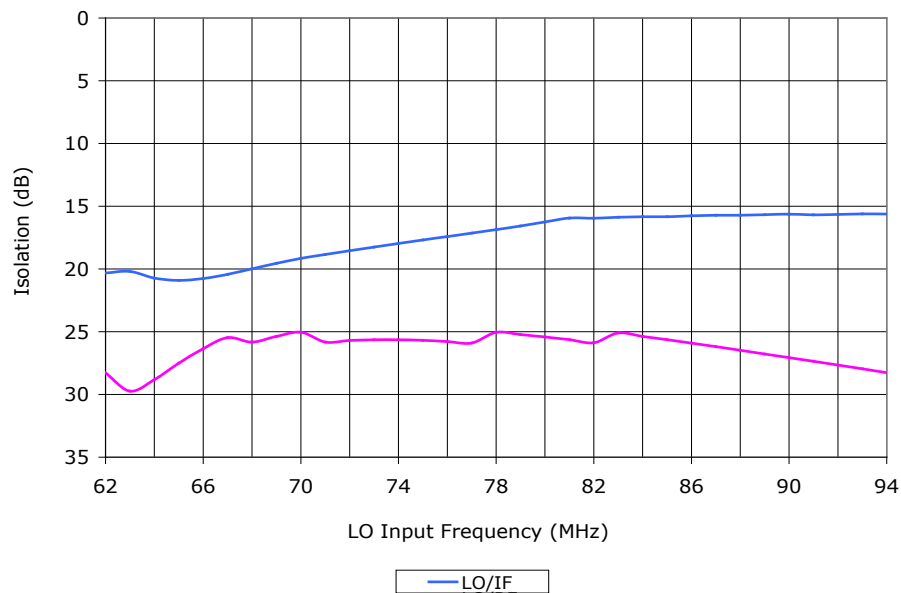
PERFORMANCE PLOTS



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