

MESFET HIGH IP³ MIXER

SURFACE MOUNT MODEL: SFM-2-02

OPTIMIZED BANDWIDTH

FEATURES:

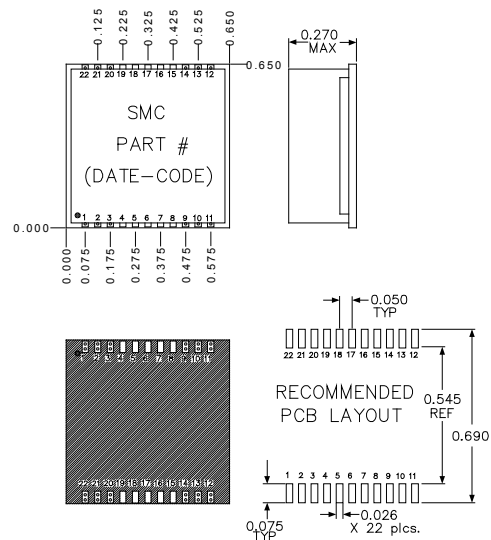
- ▶ High Performance
- ▶ High IP³
- ▶ Small Size, Surface Mount
- ▶ RoHS Compliant
- ▶ Lead Free REL-PRO® Technology



SPECIFICATIONS (Rev. B 06/24/15)

Frequency	LO (MHz)	RF (MHz)	IF (MHz)
	40 - 70	0.1 - 32	40 - 50
Conversion Loss (dB)	Typ.	Max.	
	6.5	8.5	
RF/IF Isolation (dB)	Typ.	Min.	
	30	20	
LO Rejection (dBc)		Typ.	Min.
	RF	40	25
	IF	25	15
LO Power	0 dBm (Nom.)		
1 dB Comp. Pt.	+23 dBm (Typ.)		
Input IP ³	+40 dBm (Typ.)		
V _{dd}	+5 Volts @ 80 mA (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-20 to +70 °C		
<i>Note: Isolation values apply for Sinewave L.O. signals.</i>			

Package # 285



PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200 & AN7301

PORT LOCATION

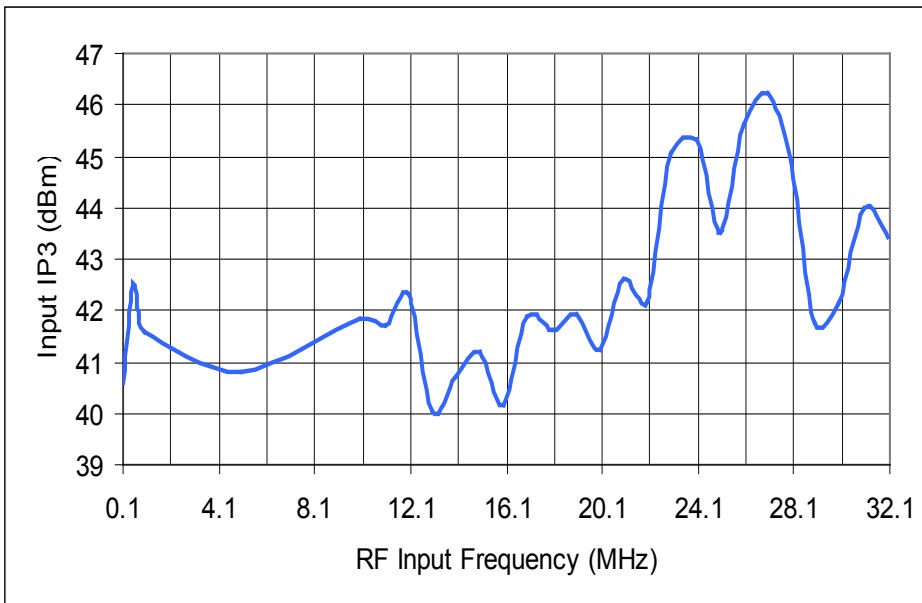
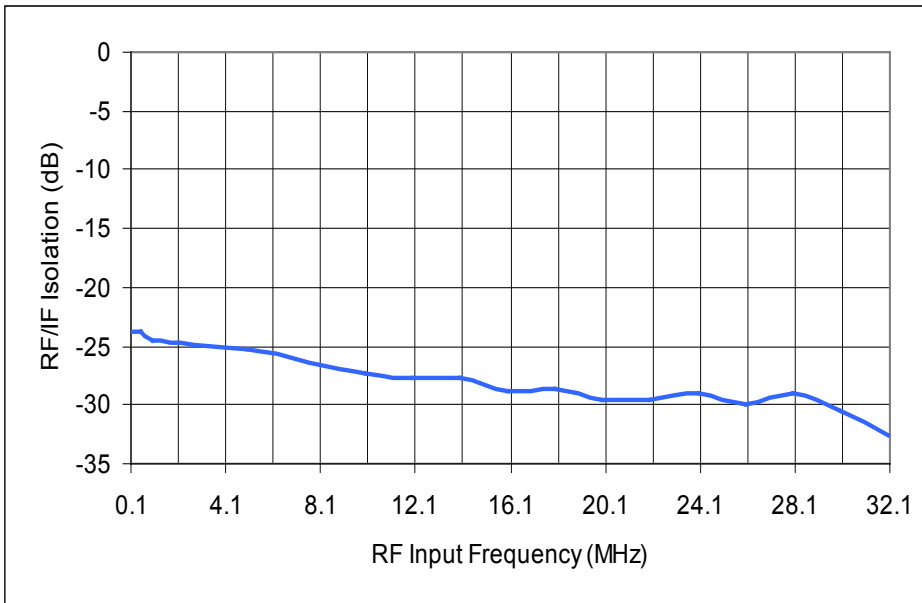
RF	LO	IF	V _{dd}	GND
21	13	2	10	All Others

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