

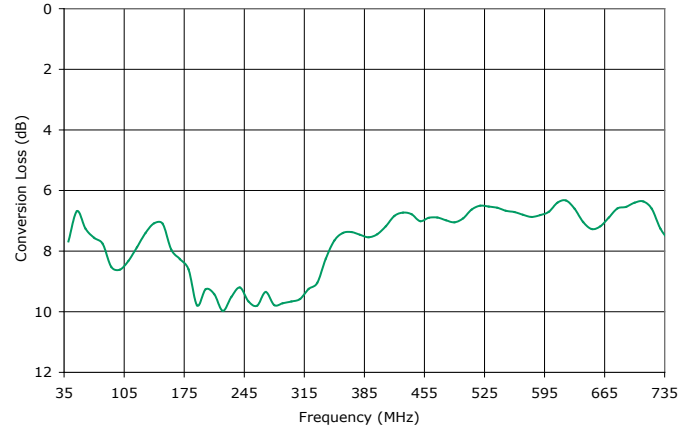
# MESFET HIGH IP<sup>3</sup> MIXER

## SURFACE MOUNT MODEL: SFM-32

### ULTRA-HIGH IP3

#### FEATURES:

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



### SPECIFICATIONS (Rev. C 06/24/15)

Frequency (MHz)	LO	RF	IF
	70 - 700	35 - 735	10 - 35
Conversion Loss (dB)	Typ.	Max.	
	7.5	10.5	
Isolation (dB)		Typ.	Min.
	LO/RF	32	25
	LO/IF	35	28
	RF/IF	45	25
LO Power	+17 dBm (Nom.)		
1 dB Comp. Pt.	+23 dBm (Typ.)		
Input IP <sup>3</sup>	+34 dBm (Typ.)		
Vdd	+5 Volts (Nom.) @ 50 mA (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-20 to +70 °C		

**Package #** 285

SMC  
PART #  
(DATE-CODE)

RECOMMENDED PCB LAYOUT

0.050 TYP  
0.545 REF  
0.690  
0.026 X 22 plcs.  
0.075 TYP

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200 & AN7301

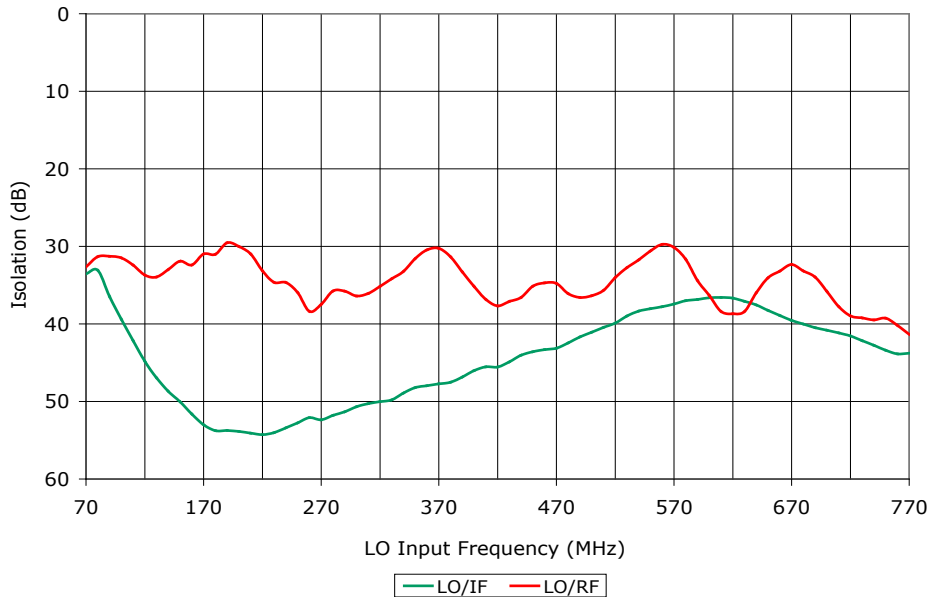
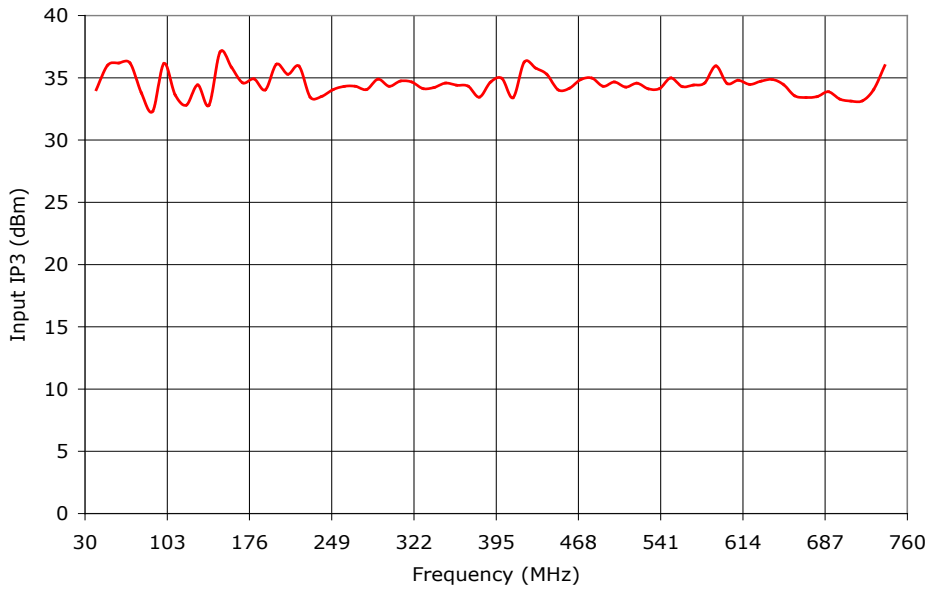
PORT LOCATION				
RF	LO	IF	Vdd	GND
21	13	2	10	All Others

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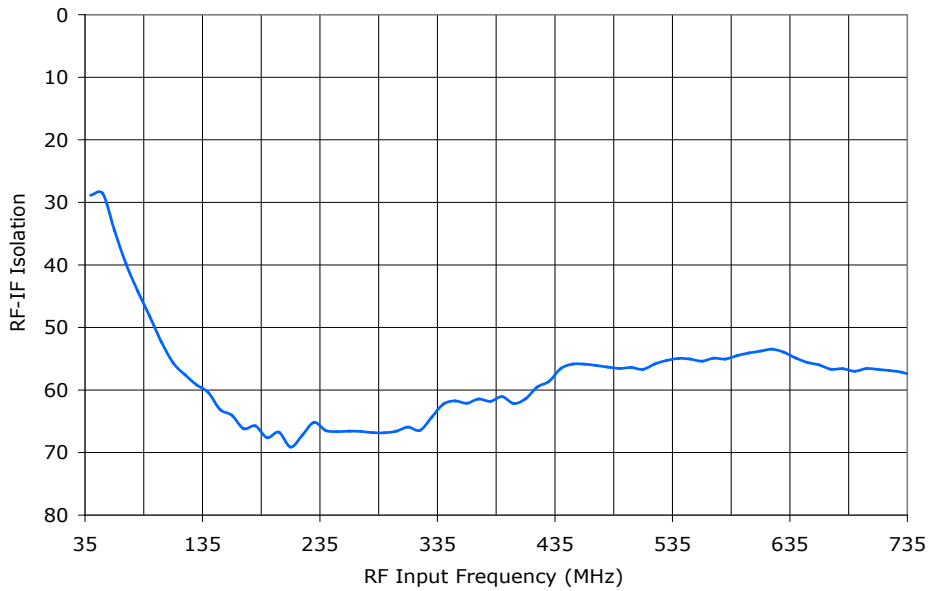
PERFORMANCE PLOTS



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