

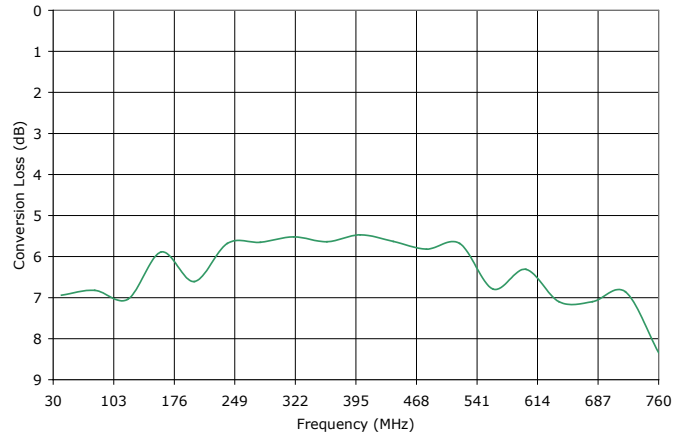
MESFET HIGH IP³ MIXER

SURFACE MOUNT MODEL: SFM-32

ULTRA-HIGH IP³

FEATURES:

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



SPECIFICATIONS (Rev. A 10/19/07)

Frequency (MHz)	LO	RF	IF
	70 - 700	35 - 735	10 - 35
Conversion Loss (dB)	Typ.		Max.
	6.5		9.5
Isolation (dB)	LO/RF	Typ.	Min.
		32	23
	LO/IF	30	18
		RF/IF	45
LO Power	+17 dBm (Nom.)		
1 dB Comp. Pt.	+23 dBm (Typ.)		
Input IP ³	+37 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

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

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

This product is manufactured under one or more of the following patents: Approved: 5,160,810; 5,122,621; 5,390,349; 5,416,449; 5,650,754; 5,805,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381; 7,196,591; 7,262,670; 7,265,642
 Pending: 60/493075; 60/501371 & 60/501790; 60/527957 & 60/528670; 60/563481; 60/564173; 60/589090; 60/601823; 60/605791; EV31369834; 11/259766; 60/622485 & 60/710310; 10/937525/60/736901; 60/732787

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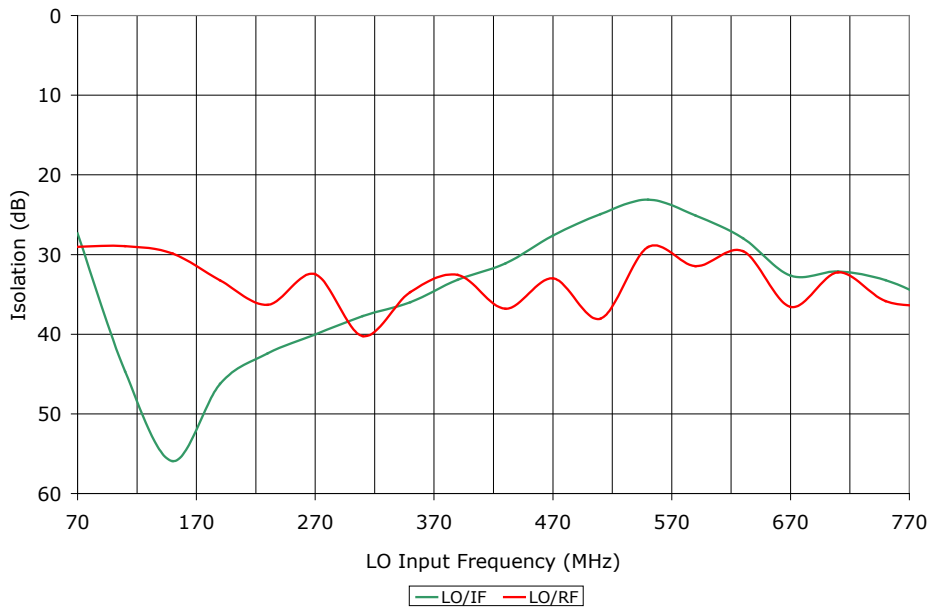
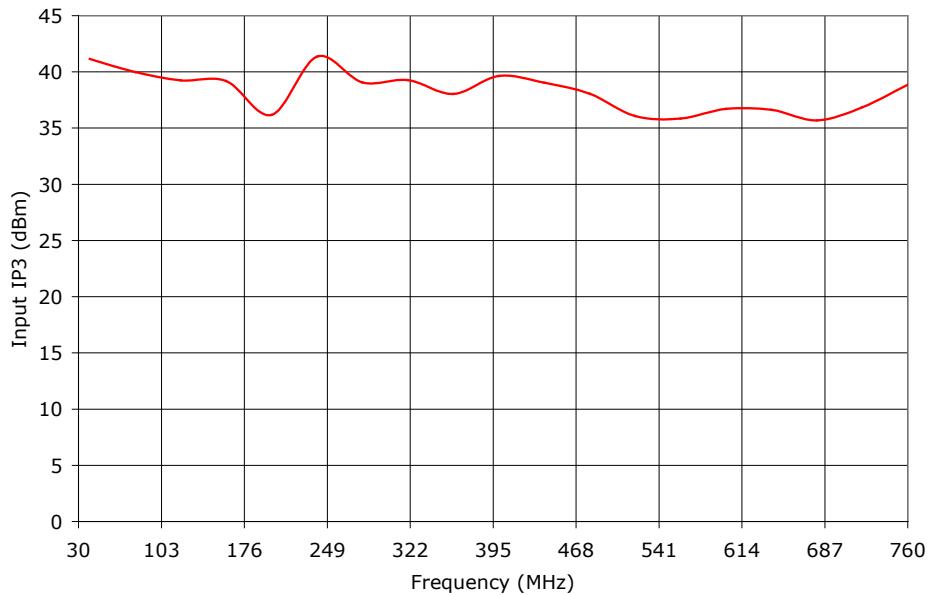


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ULTRA-HIGH IP3

PERFORMANCE PLOTS



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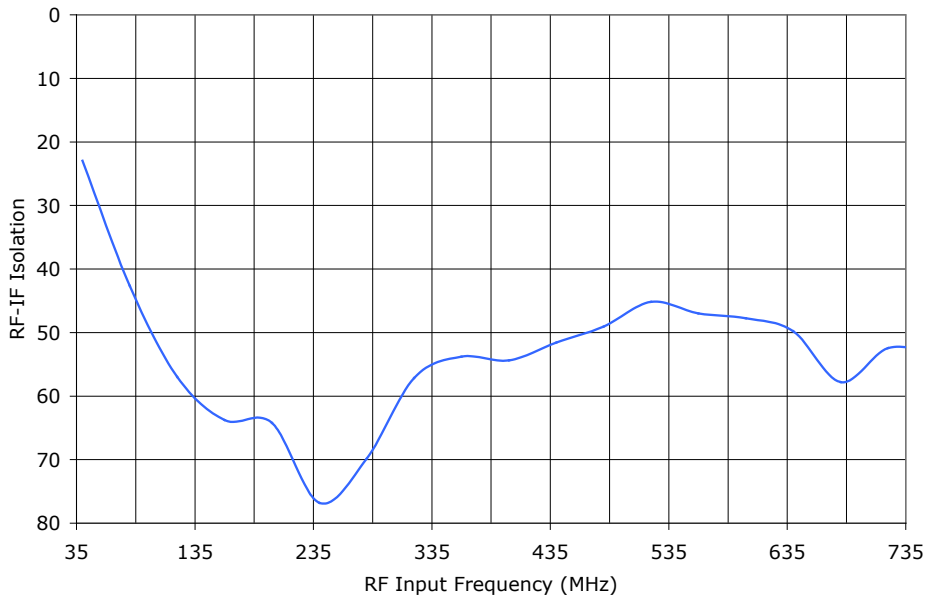
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ULTRA-HIGH IP3



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