

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

## SURFACE MOUNT MODEL: SFM-2A-1

### OPTIMIZED BANDWIDTH

#### FEATURES:

- ▶ High Performance
- ▶ High IP<sup>3</sup>
- ▶ Small Size, Surface Mount
- ▶ RoHS Compliant
- ▶ Lead Free REL-PRO<sup>®</sup> Technology



#### SPECIFICATIONS - Rev. B 08/14/06

Frequency	LO (MHz)	RF (MHz)	IF (MHz)
	89 - 116	19 - 41	70 - 96
Conversion Loss (dB)	Typ.	Max.	
	6.5	8.5	
RF/IF Isolation (dB)	Typ.	Min.	
	30	20	
LO Rejection (dBc)		Typ.	Min.
		RF	40
	IF	25	15
LO Power	0 dBm (Nom.)		
1 dB Comp. Pt.	+23 dBm (Typ.)		
Input IP <sup>3</sup>	+40 dBm (Typ.)		
Vdd	+4.5 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**

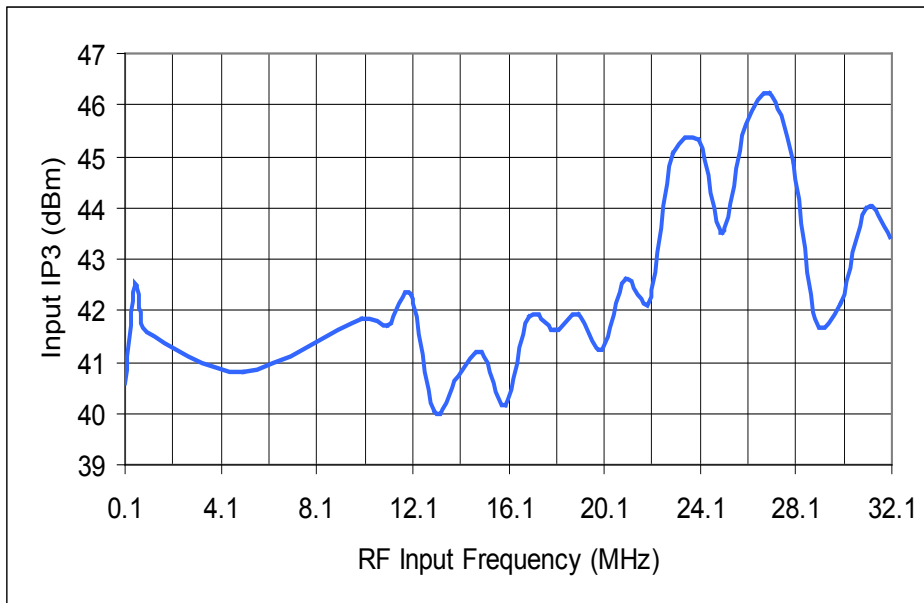
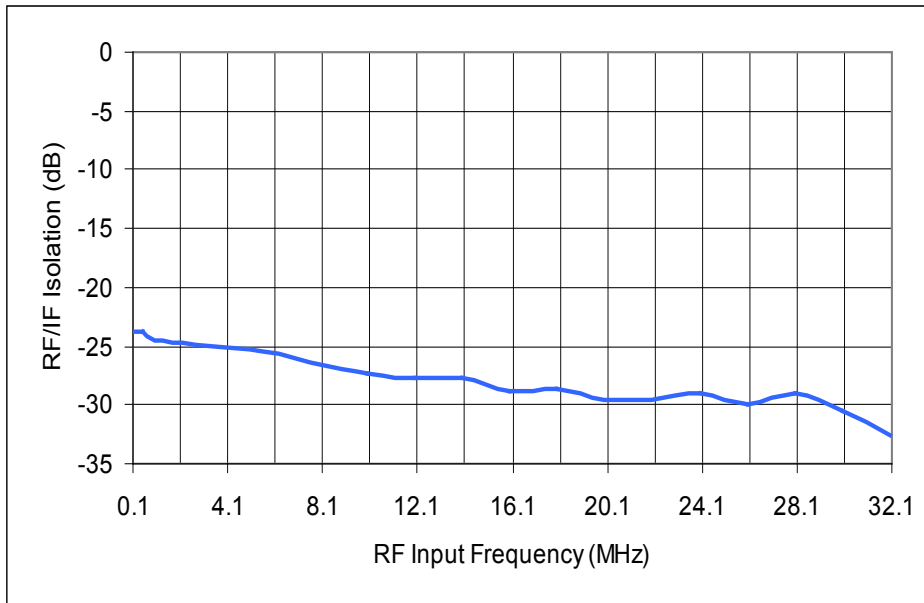
PORT LOCATION				
RF	LO	IF	Vdd	GND
21	13	2	10	All Others

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

## SURFACE MOUNT MODEL: SFM-2A-1

### OPTIMIZED BANDWIDTH

# PERFORMANCE PLOTS



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

## SURFACE MOUNT MODEL: SFM-2A-1

OPTIMIZED BANDWIDTH

PERFORMANCE PLOTS

