

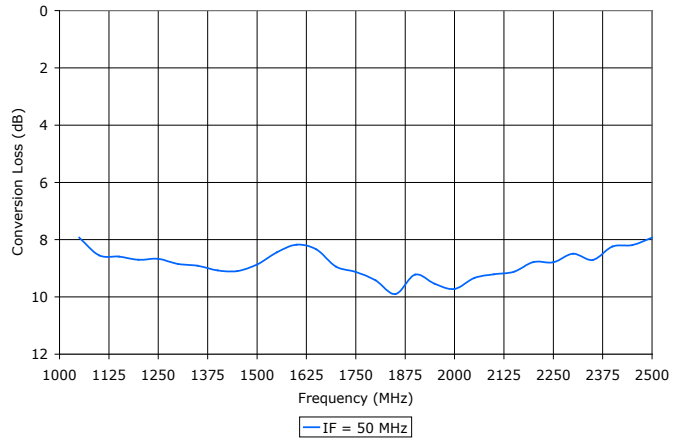
MESFET HIGH IP³ MIXER

SURFACE MOUNT MODEL: SFM-5

OPTIMIZED BANDWIDTH

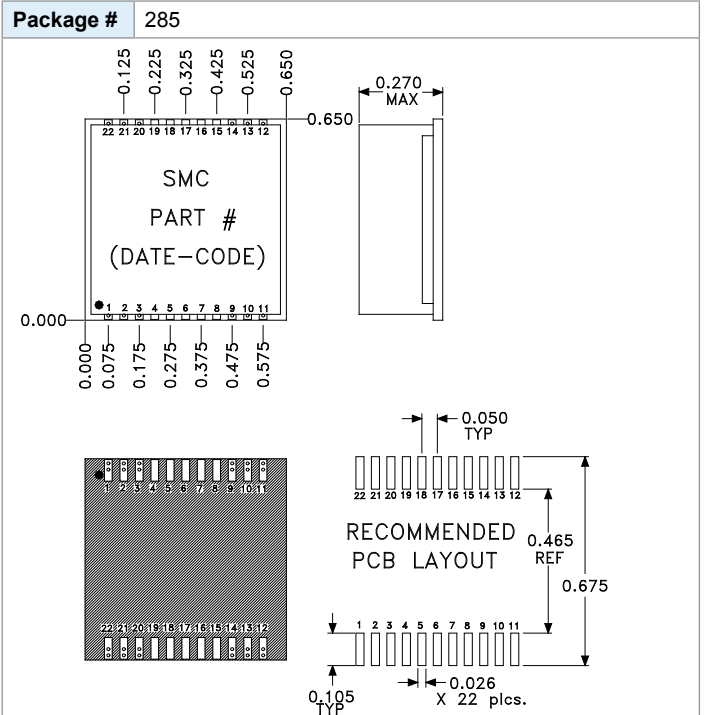
FEATURES:

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



SPECIFICATIONS (Rev. B 05/23/08)

Frequency (MHz)	LO	RF	IF
	1100 - 2000	1200 - 2400	50 - 200
Conversion Loss (dB)	Typ.		Max.
	10.0		11.8
Isolation (dB)	LO/RF	Typ.	Min.
		25	18
	LO/IF	20	15
		RF/IF	20
LO Power	+17 dBm (Nom.)		
1 dB Comp. Pt.	+23 dBm (Typ.)		
Input IP ³	+38 dBm (Typ.)		
Vdd	+5 Volts (Nom.) @ 50 mA (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-20 to +70 °C		



PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

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

This product is manufactured under one or more of the following patents: Approved: 5,180,810; 5,122,621; 5,390,346; 5,416,446; 5,630,754; 5,805,401; 6,325,623; 6,056,573; 7,088,189; 7,180,381; 7,185,591; 7,282,670; 7,285,642; 7,292,113
 Pending: 6,648,303; 6,050,1371 & 6,058,1796; 6,050,7957 & 6,052,0672; 6,026,3481; 6,056,4173; 6,058,0283; 6,060,1822; 6,060,5791; EV3128A034;
 11,258,768; 6,062,485 & 6,074,0316; 10,637,325-60736901; 6,073,2737

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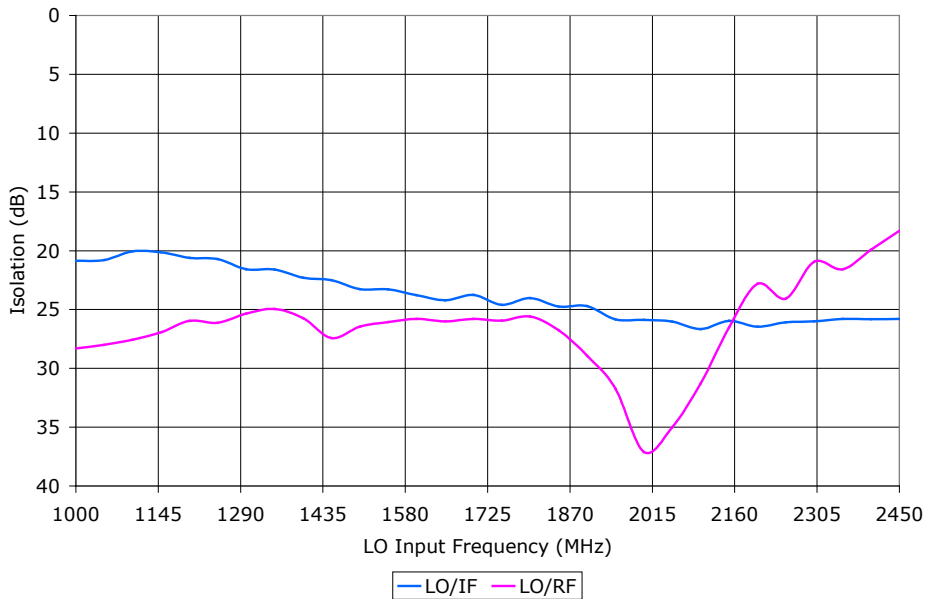
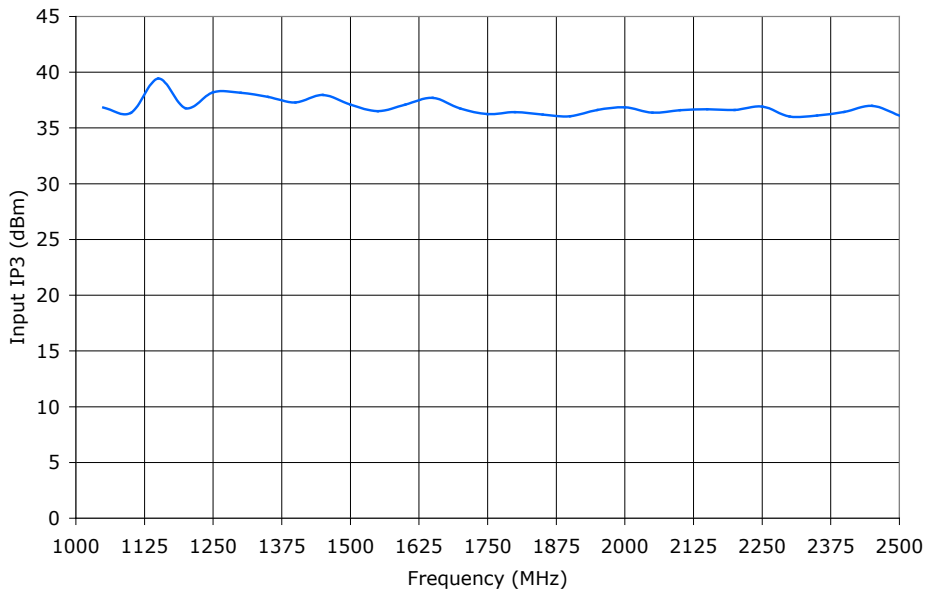


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OPTIMIZED BANDWIDTH

PERFORMANCE PLOTS



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 Pending: 6,948,307; 6,950,137 & 6,958,179; 6,952,757 & 6,952,867; 6,956,481; 6,956,473; 6,958,083; 6,965,822; 6,965,579; EV3128A034;
 7,123,768; 6,962,485 & 6,974,016; 7,037,325 & 7,369,011; 6,973,2787

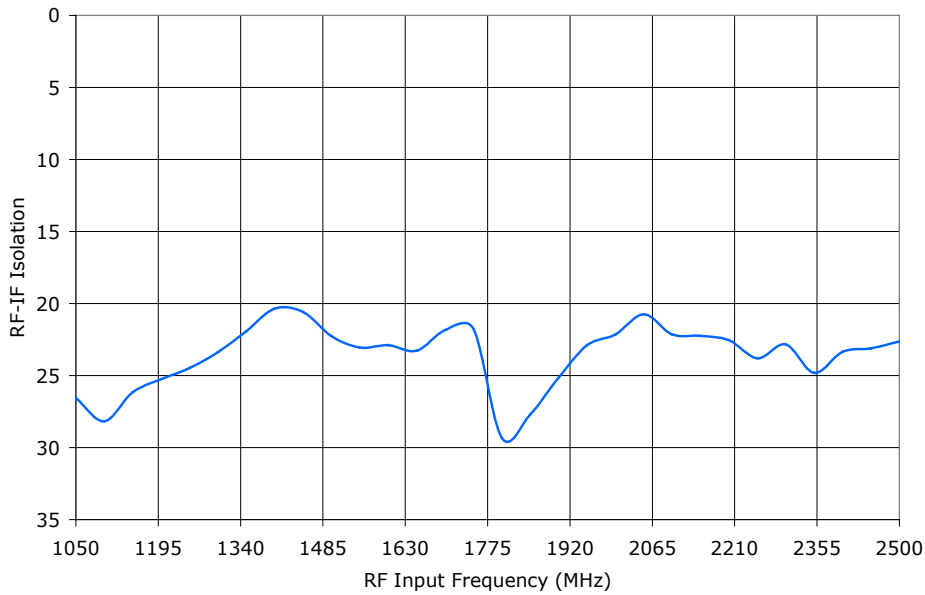
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SURFACE MOUNT MODEL: SFM-5

OPTIMIZED BANDWIDTH



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Pending: 66/483,073; 60/501,371 & 66/581,796; 60/507,957 & 66/526,673; 60/563,481; 60/564,173; 60/580,083; 60/601,822; 60/605,791; EV/3138A034; 11,038,768; 60/623,485 & 66/740,318; 10/637,325/60/736901; 60/732,787

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