

TRIPLE-BALANCED MIXER

SURFACE MOUNT MODEL: SMD-3500L

WIDE BANDWIDTH

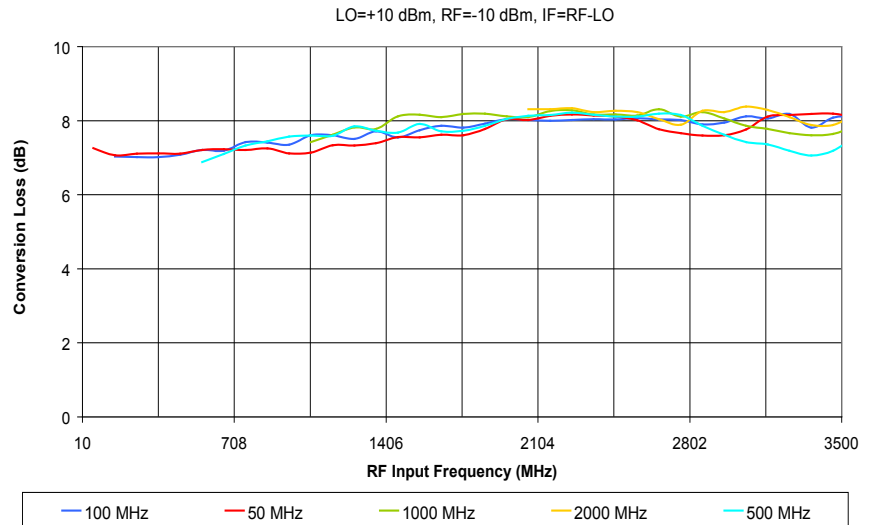
10 - 3500 MHz

FEATURES:

- ▶ High Performance
- ▶ Low L.O. Leakage
- ▶ Broad Bandwidth IF
- ▶ Good IF Matching
- ▶ Low Conversion Loss Ripple
- ▶ Good Efficiency

APPLICATIONS:

- ▶ Narrow Band & Broadband Up/Down Conversion.



SPECIFICATIONS (Rev. C 02/22/07)

Frequency	RF/LO (MHz)	IF (MHz)	
	10 - 3500	1 - 2000	
Conversion Loss	dB (Typ.)	dB (Max.)	
	8	9	
Isolation		dB (Typ.)	dB (Min.)
	LO/RF	40	25
	LO/IF	28	18
	RF/IF	30	20
L.O. Power	+10 dBm (Nom.)		
1 dB Compression Point	+7 dBm (Typ.)		
Input IP ³	+19 dBm (Typ.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

Package # 133

PIN CONFIGURATION

RF	LO	IF	GND
1	2	3	4,5,6



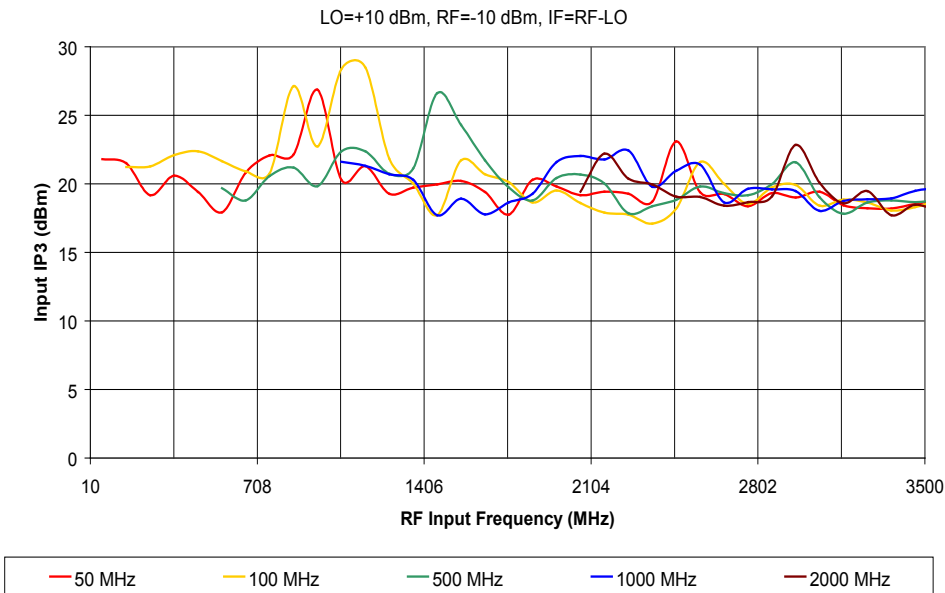
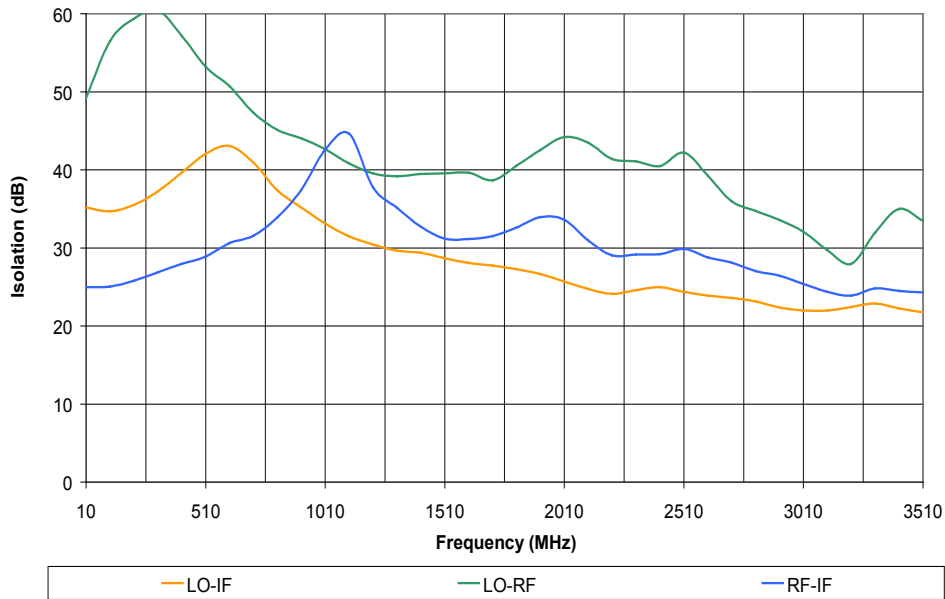
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PERFORMANCE PLOTS



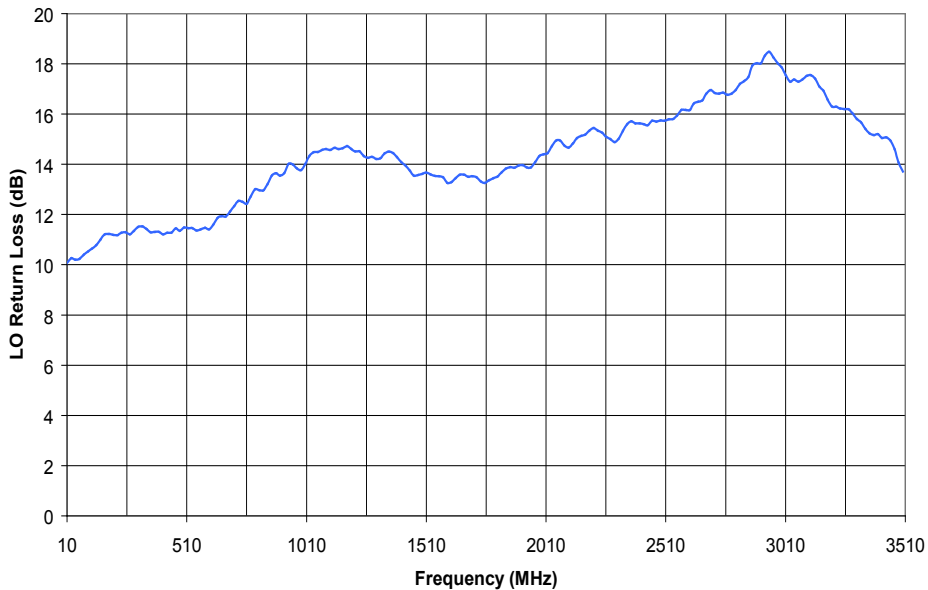
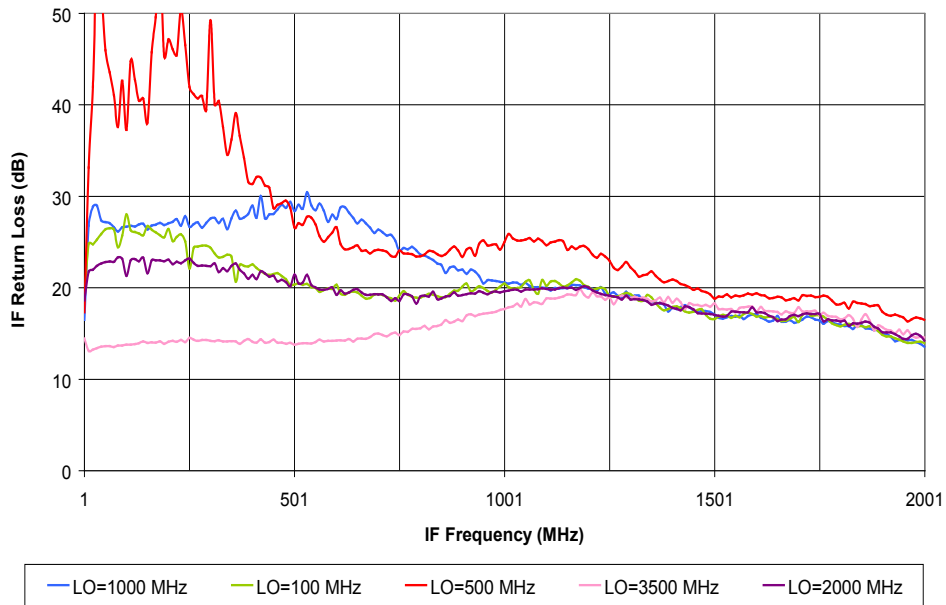
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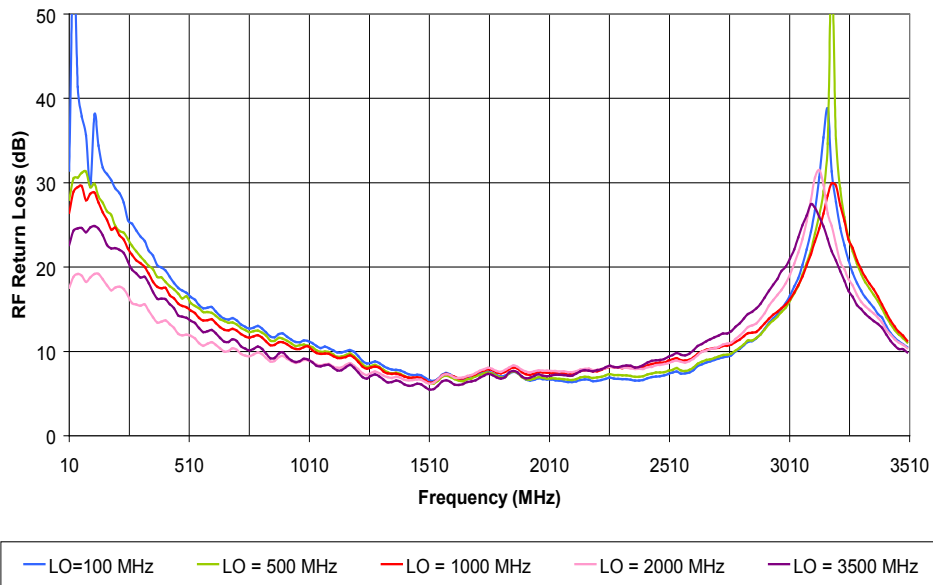


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