

TRIPLE-BALANCED MIXER

SURFACE MOUNT MODEL: SMD-3500

WIDE BANDWIDTH

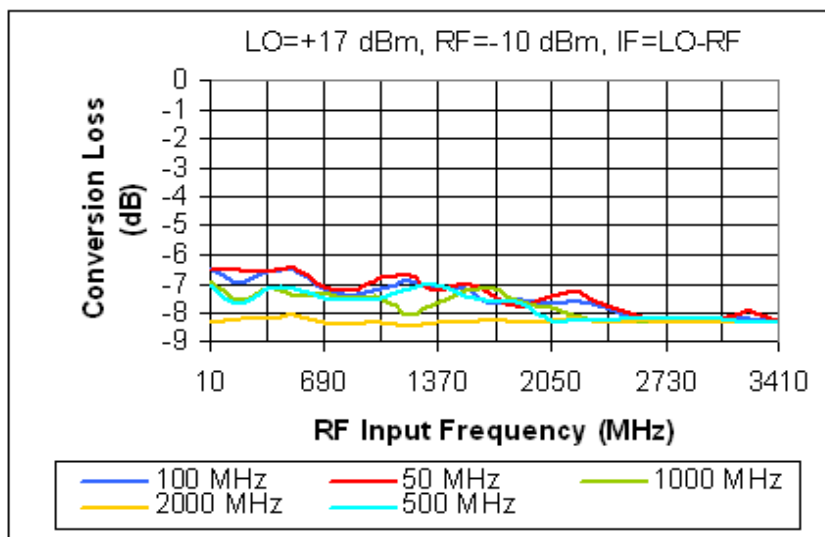
1-3500 MHz

FEATURES:

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

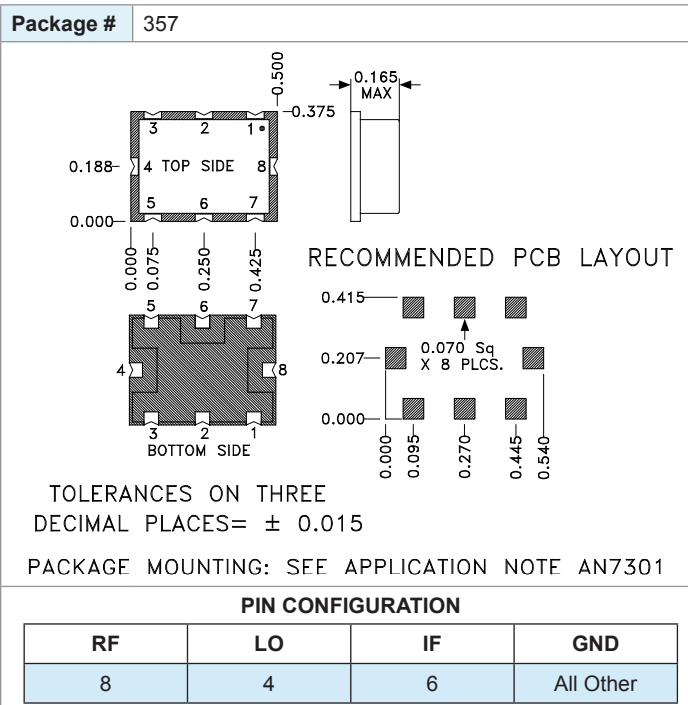
APPLICATIONS:

- ▶ Narrow Band & Broadband Up/Down Conversion.



SPECIFICATIONS (Rev. E 01/12/12)

Frequency (MHz)	RF/LO		IF
	10 - 3500		1 - 2000
Conversion Loss (dB)	Typ.		Max.
	7.8		8.7
Isolation (dB)		Typ.	Min.
	LO/RF	35	25
	LO/IF	30	20
	RF/IF	25	20
L.O. Power	+17 dBm (Nom.)		
1 dB Compression Point	+14 dBm (Typ.)		
Input IP ³	+28 dBm (Typ.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		



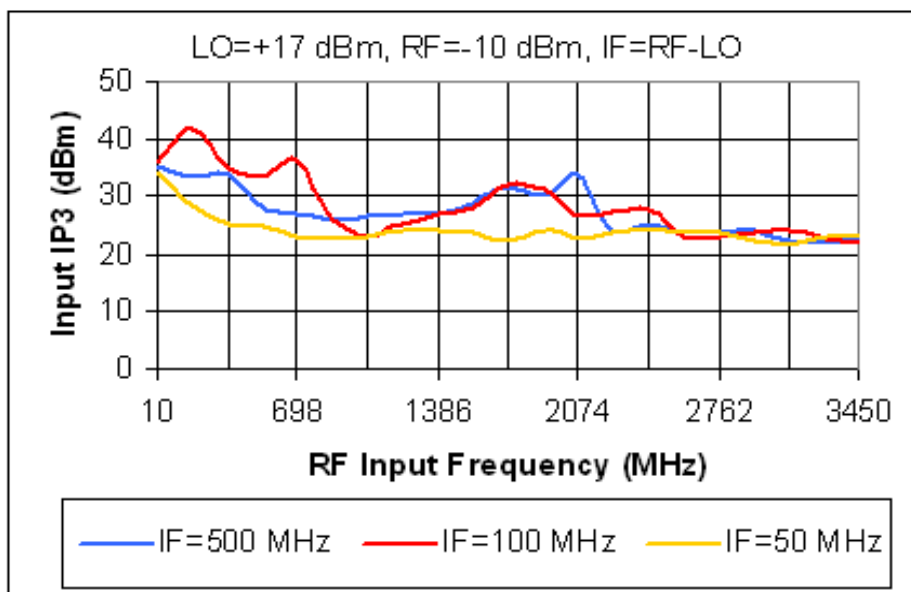
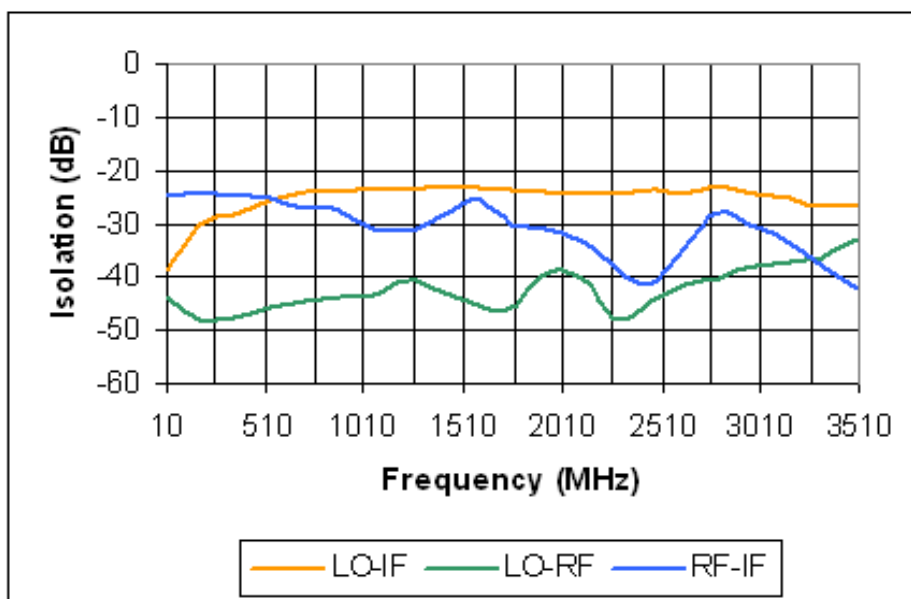
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PERFORMANCE PLOTS



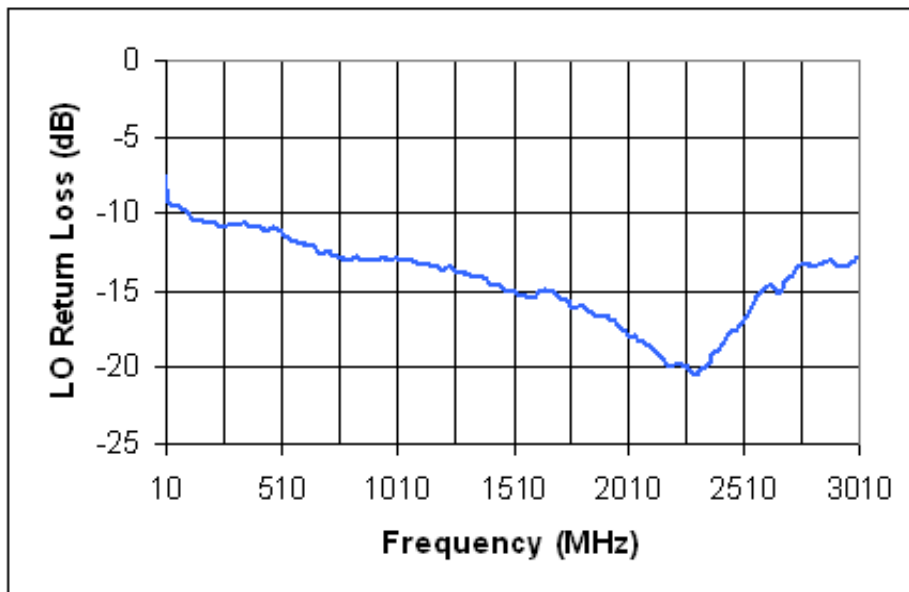
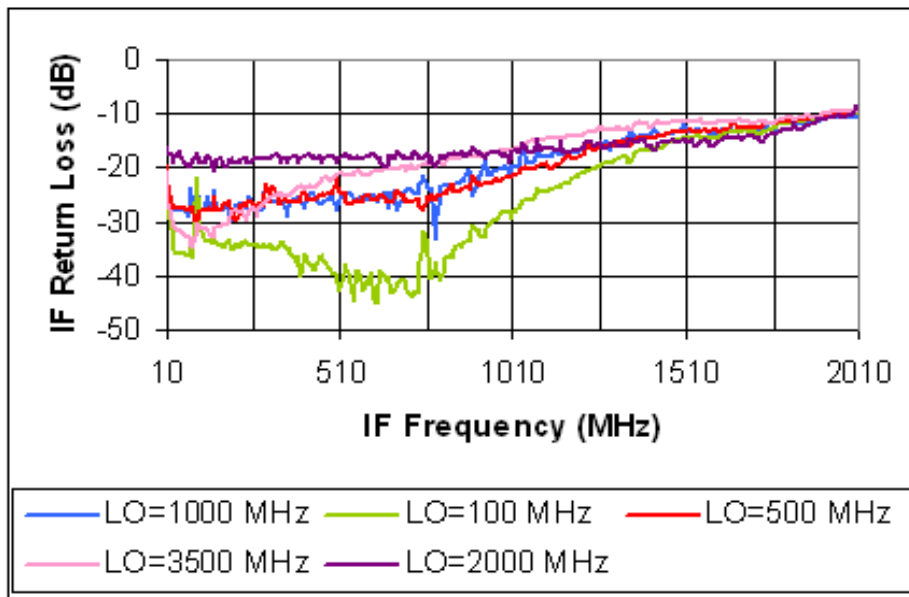
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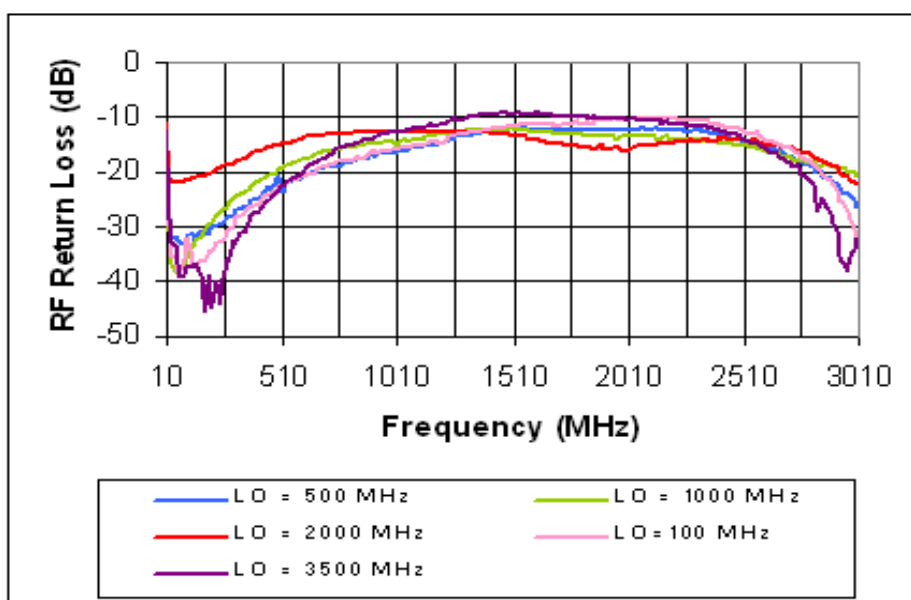


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