TRIPLE-BALANCED MIXER
SURFACE MOUNT MODEL: SMD-3500L

WIDE BANDWIDTH — 10 - 3500 MHz

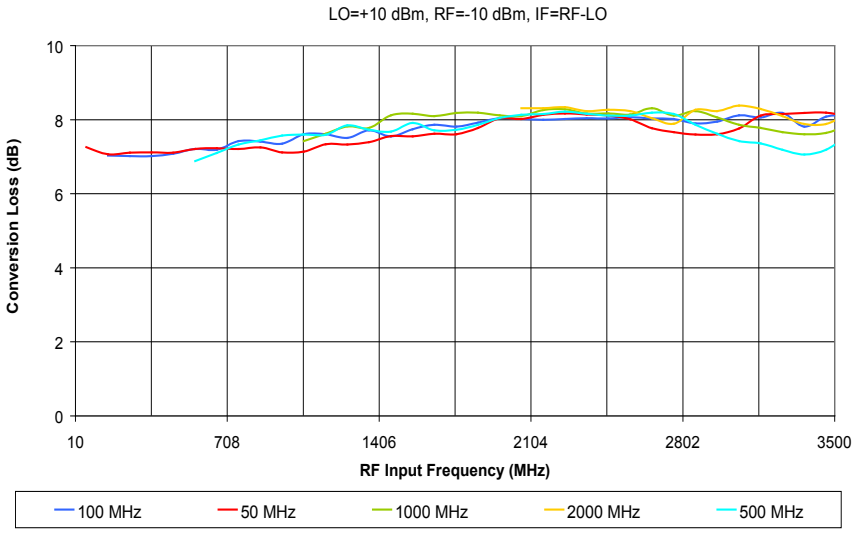
FEATURES:

- **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.**

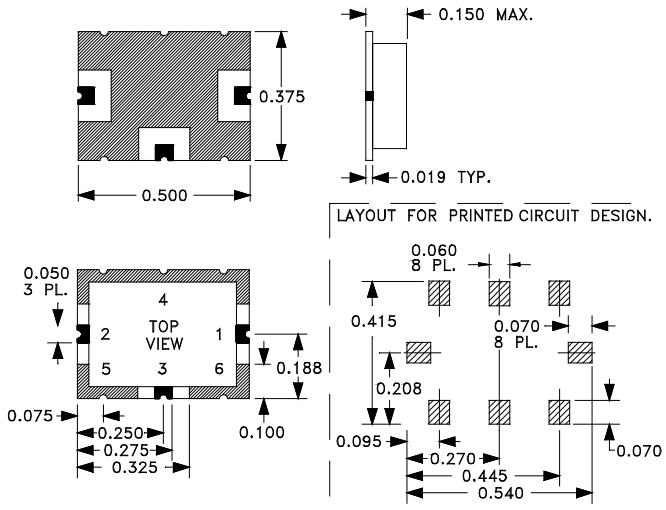




SPECIFICATIONS (Rev. C 02/22/07)

Frequency	RF/LO (MHz): 10 - 3500 ; IF (MHz): 1 - 2000
Conversion Loss	dB (Typ.): 8 ; dB (Max.): 9
Isolation	LO/RF: dB (Typ.) 40, dB (Min.) 25 ; LO/IF: 28, 18 ; RF/IF: 30, 20
L.O. Power	+10 dBm (Nom.)
1 dB Compression Point	+7 dBm (Typ.)
Input IP³	+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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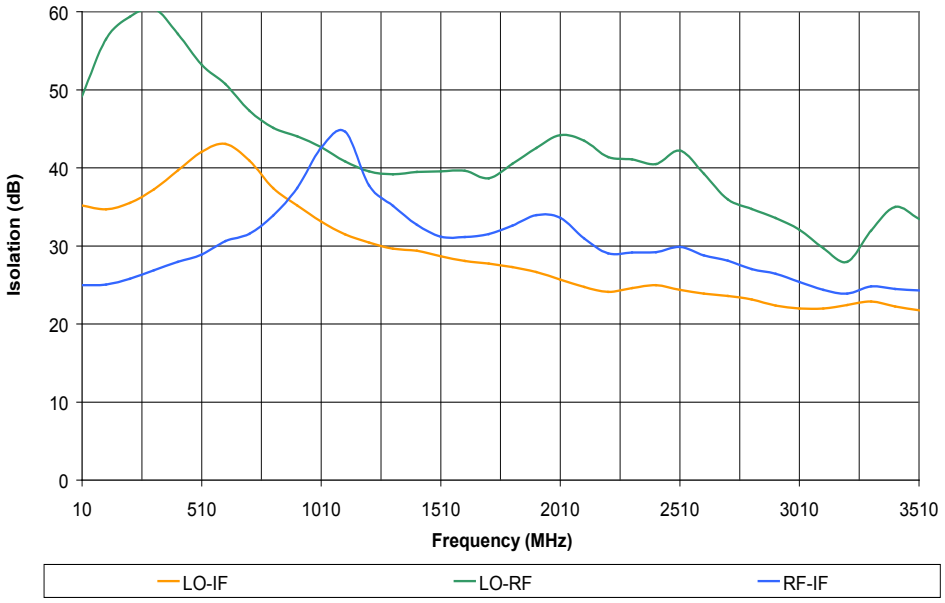
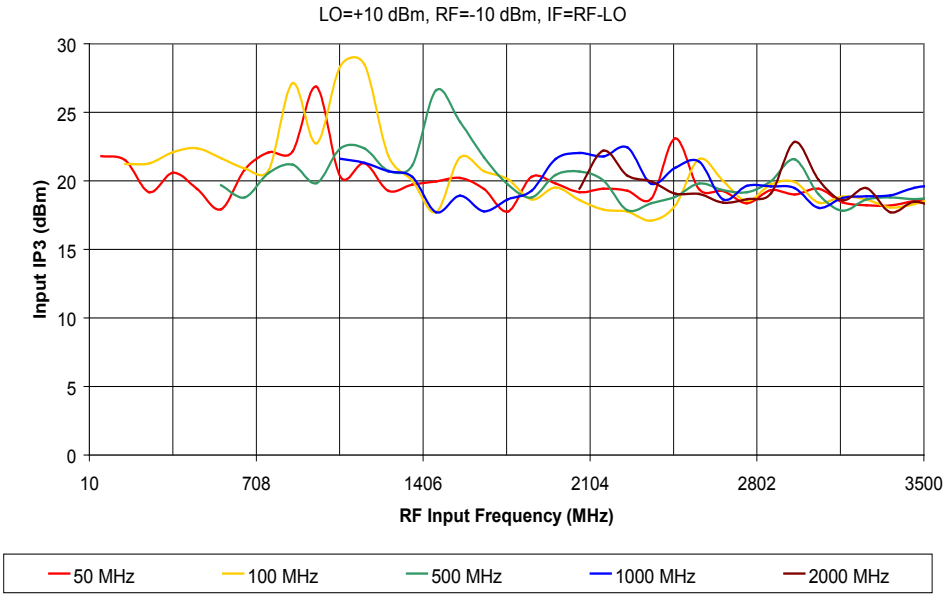
WIDE BANDWIDTH **10 - 3500 MHz**

PERFORMANCE PLOTS





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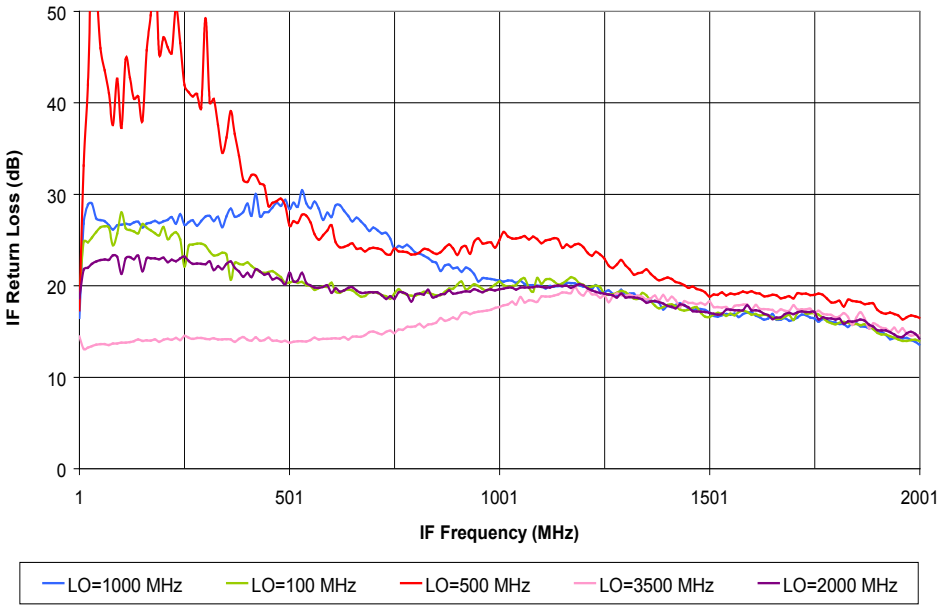

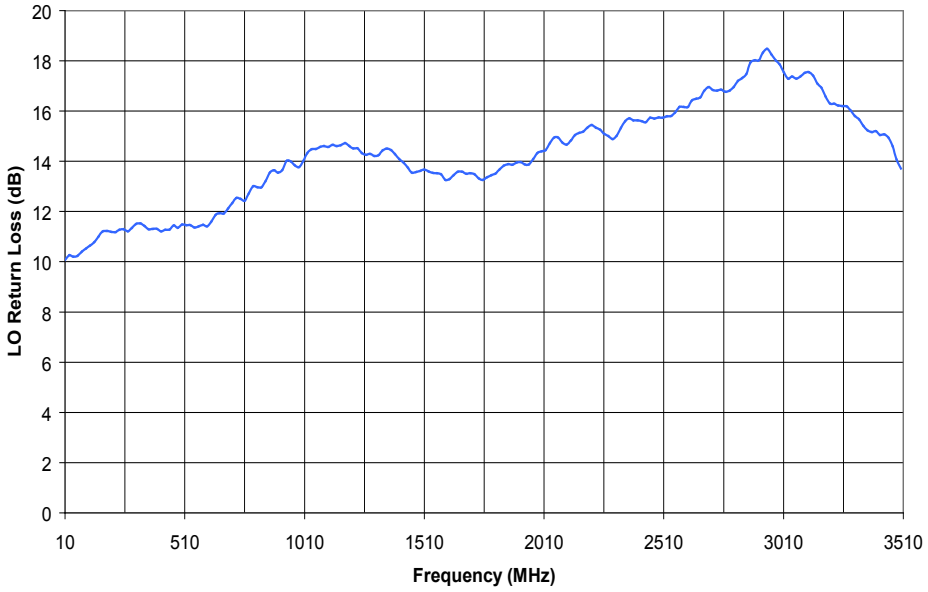

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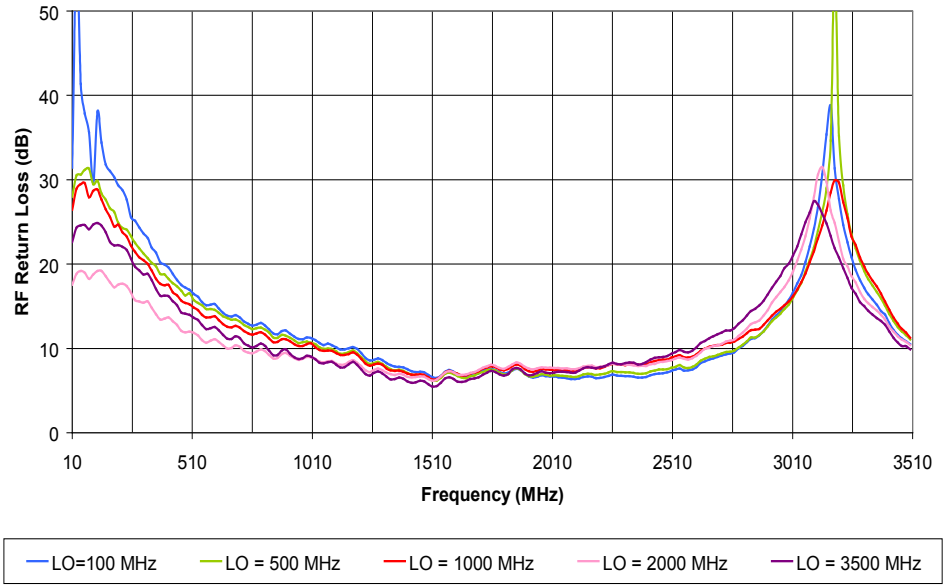

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