

# TRIPLE-BALANCED MIXER

## SURFACE MOUNT MODEL: SMD-3500L

WIDE BANDWIDTH

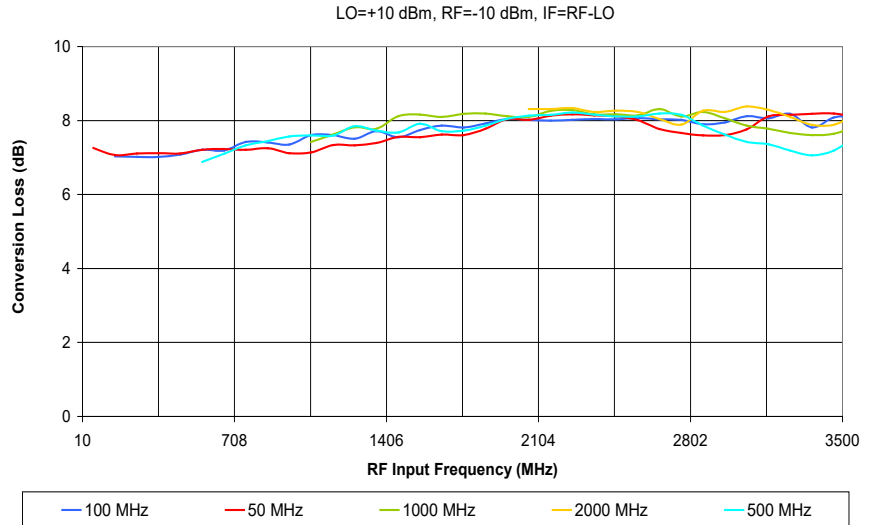
10 - 3500 MHz

**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. E 03/20/24 )**

Frequency (MHz)	RF/LO	IF	
	10 - 3500	1 - 2000	
Conversion Loss (dB)	Typ.	Max.	
	8	9	
Isolation (dB)		Typ.	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 <sup>3</sup>	+19 dBm (Typ.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

Package # 357

RECOMMENDED PCB LAYOUT

TOLERANCES ON THREE DECIMAL PLACES = ± 0.015

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7301

**PIN CONFIGURATION**

RF	LO	IF	GND
8	4	6	All Other

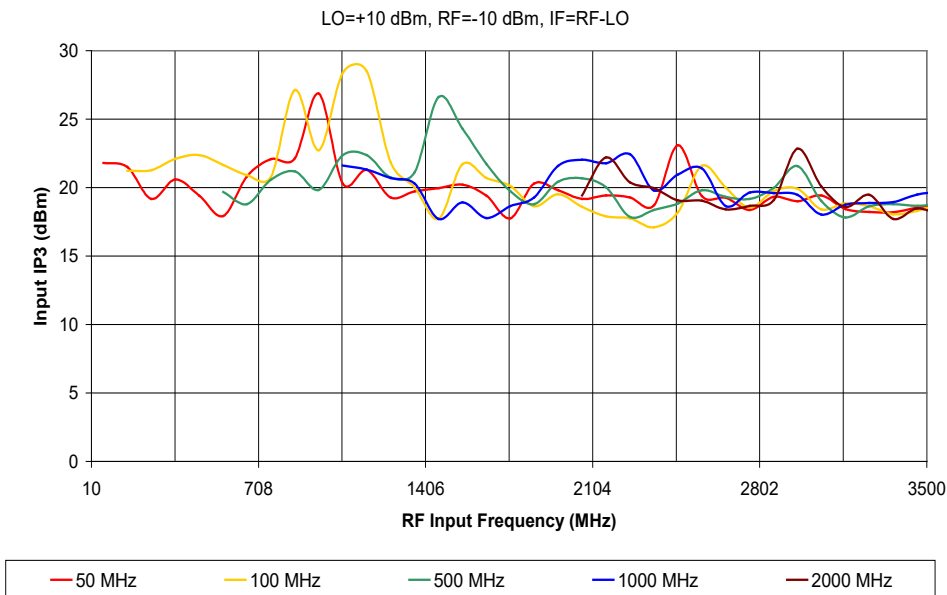
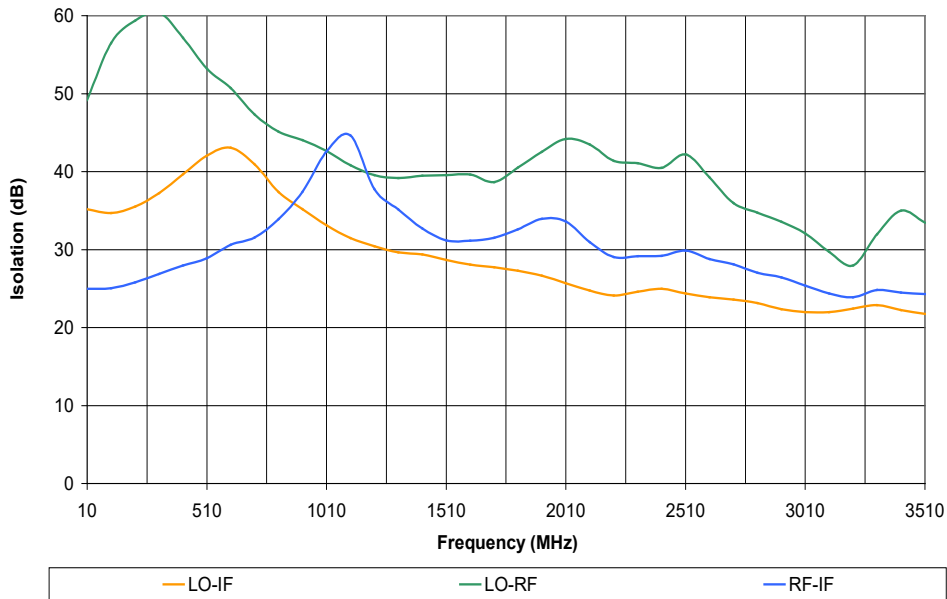
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PERFORMANCE PLOTS



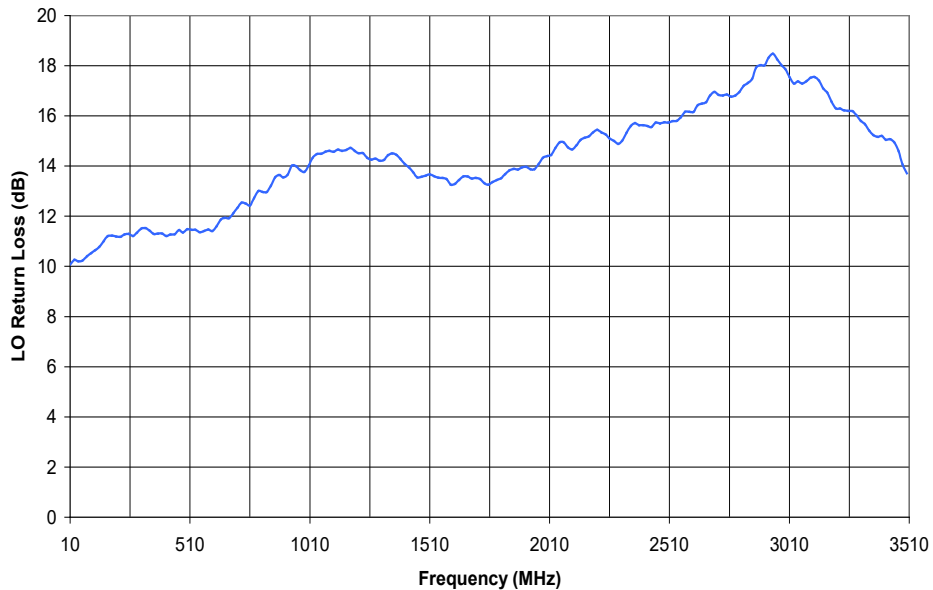
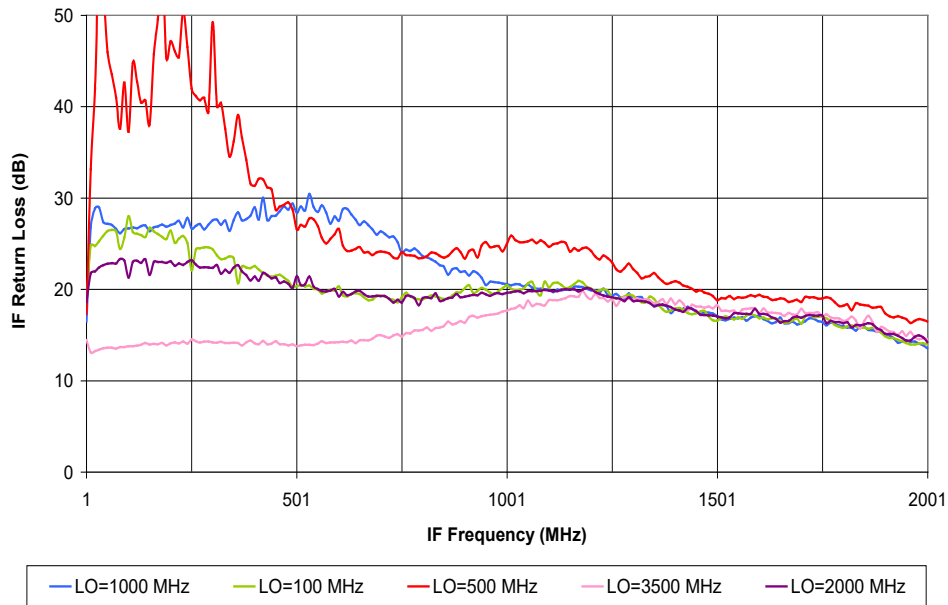
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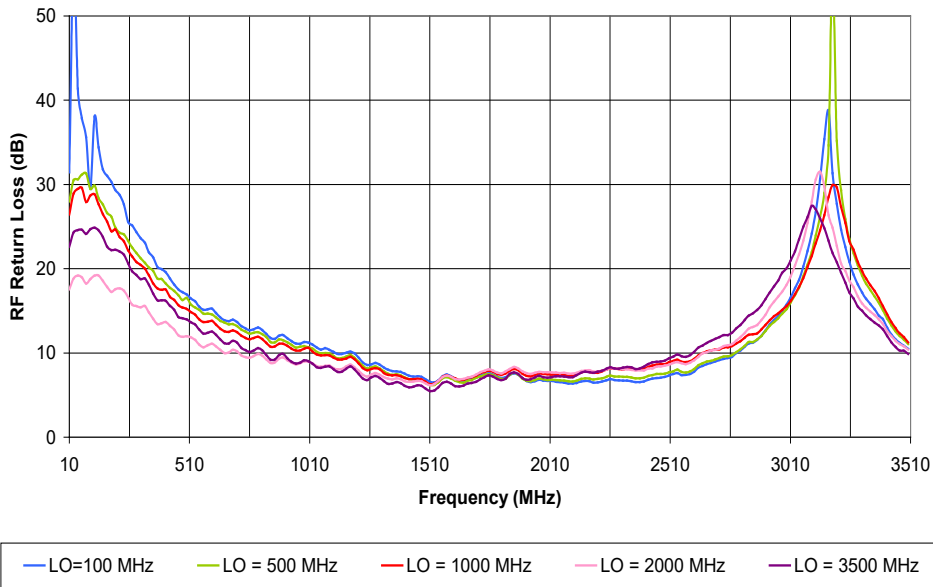


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