

TRIPLE-BALANCED MIXER

CONNECTORIZED MODEL: CHK-3500

WIDE BANDWIDTH

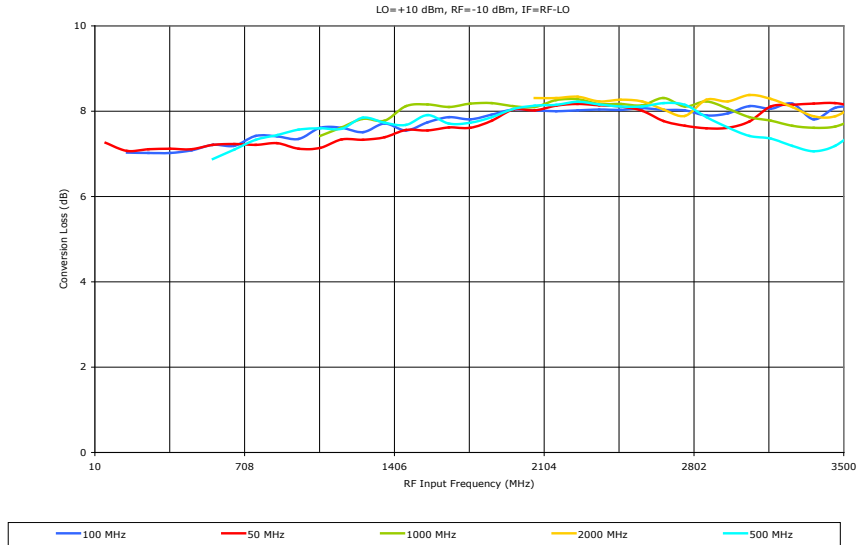
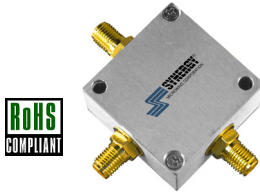
1 - 3500 MHz

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. D 03/06/19)

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	+23 dBm (Nom.)		
1 dB Compression Point	+18 dBm (Typ.)		
Input IP ³	+32 dBm (Typ.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-55 to +85 °C		

Package #	110LF	
All Dimensions in inches (mm)		
Tolerances: 2 PL. ±0.030 inch. (0.762mm) 3 PL. ±0.015 inch. (0.381mm)		
A	1.250 inch. (31.75 mm)	
B	1.250 inch. (31.75 mm)	
C	0.750 inch. (19.05 mm)	
D	0.375 inch. (9.525 mm)	
E	1.000 inch. (25.4 mm)	
F	1.000 inch. (25.4 mm)	
G	∅0.136 inch. (3.45 mm)	
H	0.625 inch. (15.875 mm)	
I	0.625 inch. (15.875 mm)	
PORT CONFIGURATION		
RF	LO	IF
1	3	2

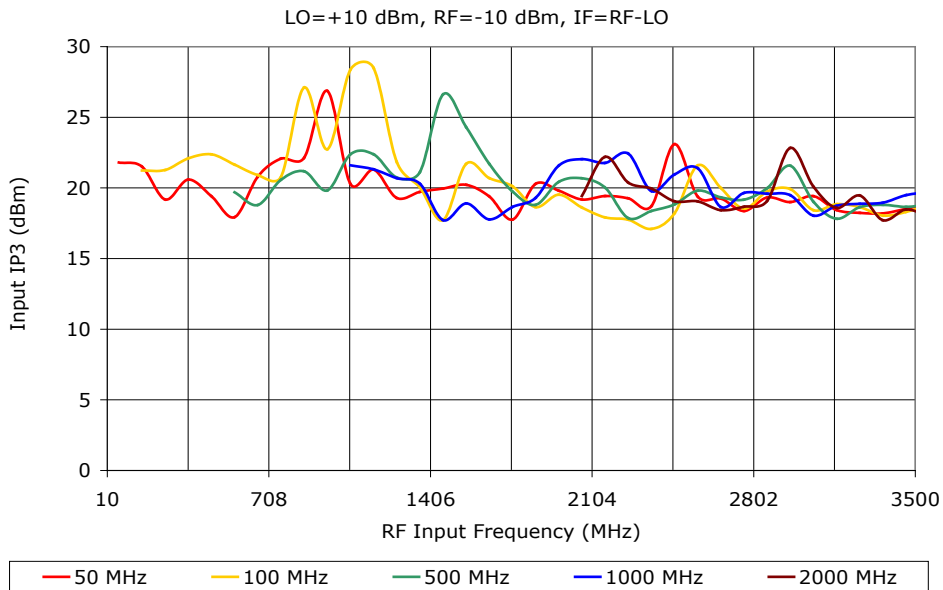
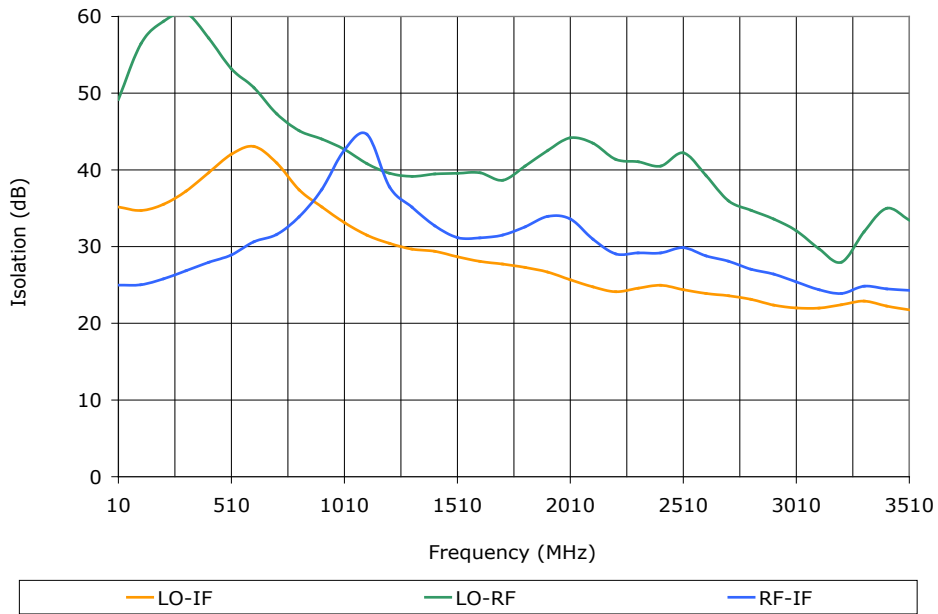
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PERFORMANCE PLOTS



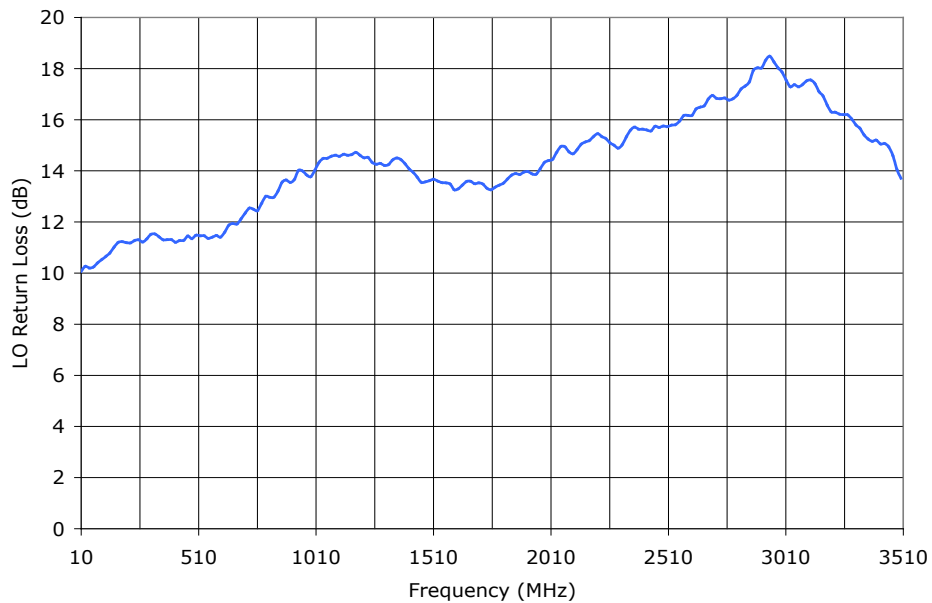
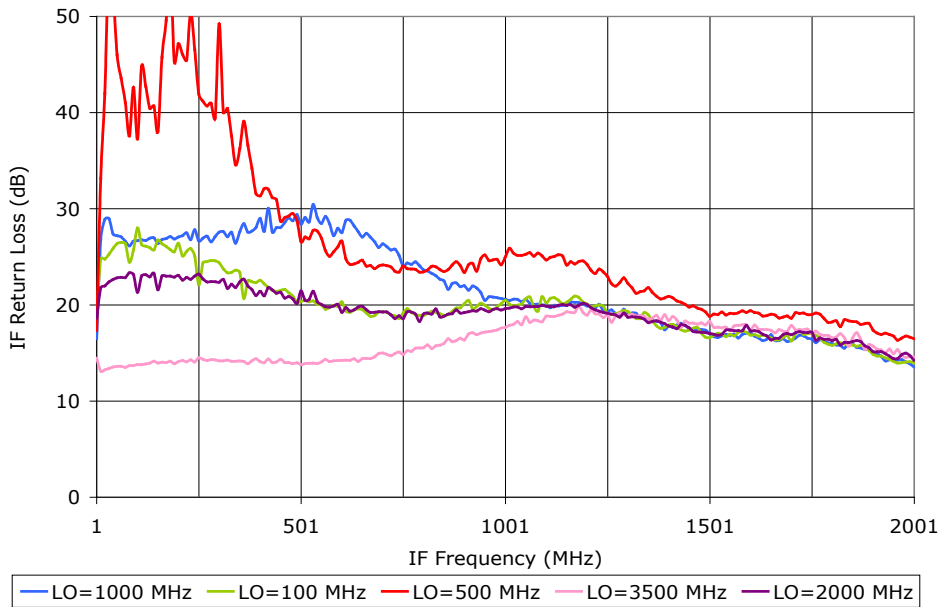
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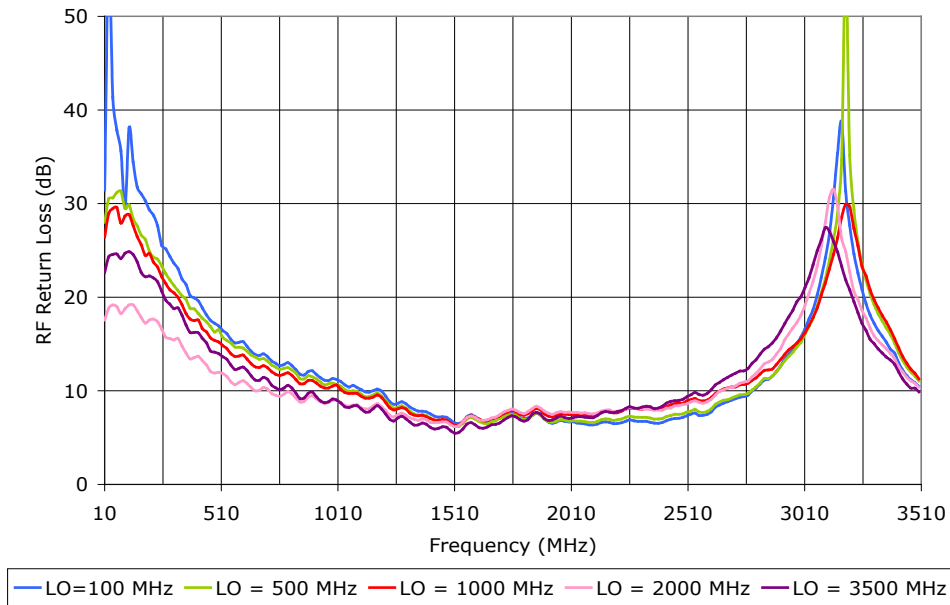


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