

TRIPLE-BALANCED MIXER

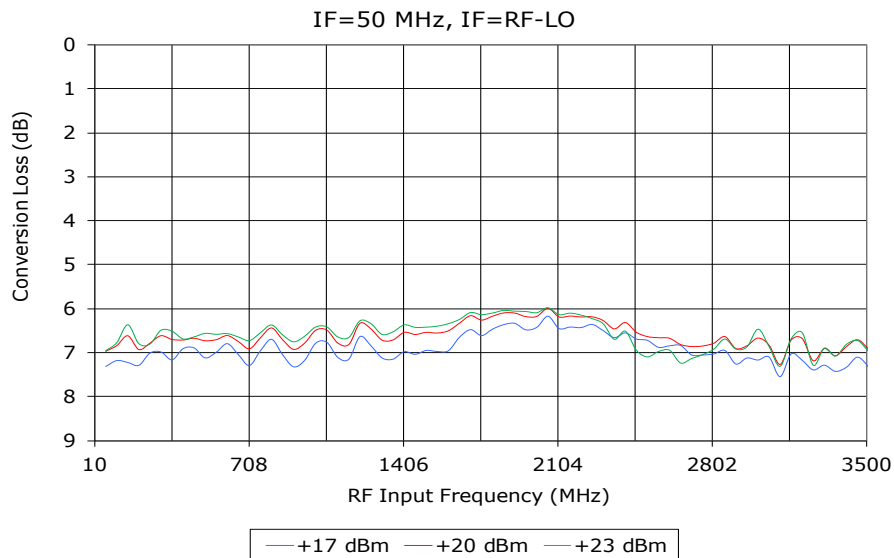
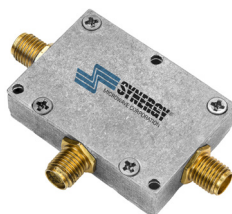
SURFACE MOUNT MODEL: STM-K3500

SPUR TAMEER SERIES

1-3500 MHz

FEATURES:

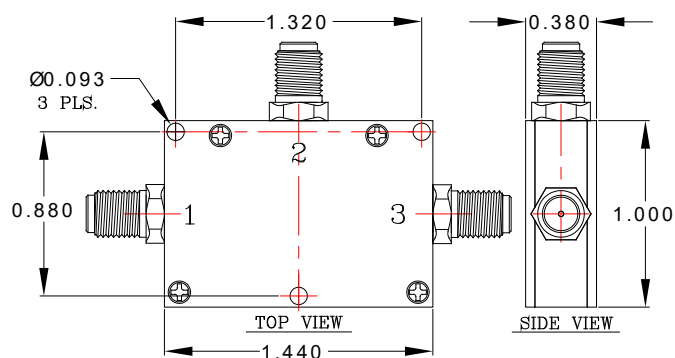
- ▶ Wide Bandwidth
- ▶ High Isolation
- ▶ Good Linearity
- ▶ Low Spurious



SPECIFICATIONS

Frequency (MHz)	LO/RF 1 - 3500		IF 1 - 3500
Conversion Loss (dB)	Freq (MHz) 1 - 100	Typ. 7.4	Max. 8.3
	100 - 1750	7.8	8.8
	1750 - 3500	8.0	10
Isolation (dB)	LO to IF		
	Typ. 28	Min. 24	
	LO to RF		
	Typ. 32	Min. 26	
	RF to IF		
	Typ. 23	Min. 18	
LO Power	+15 to +23 dBm (Nom.)		
1 dB Compression Pt. with LO level change	+12 to 20 dBm (Typ.)		
Input IP ³ with LO level change	+23 to 26 dBm (Typ.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

Package # 486



PORT CONFIGURATION

RF	IF	LO
1	2	3

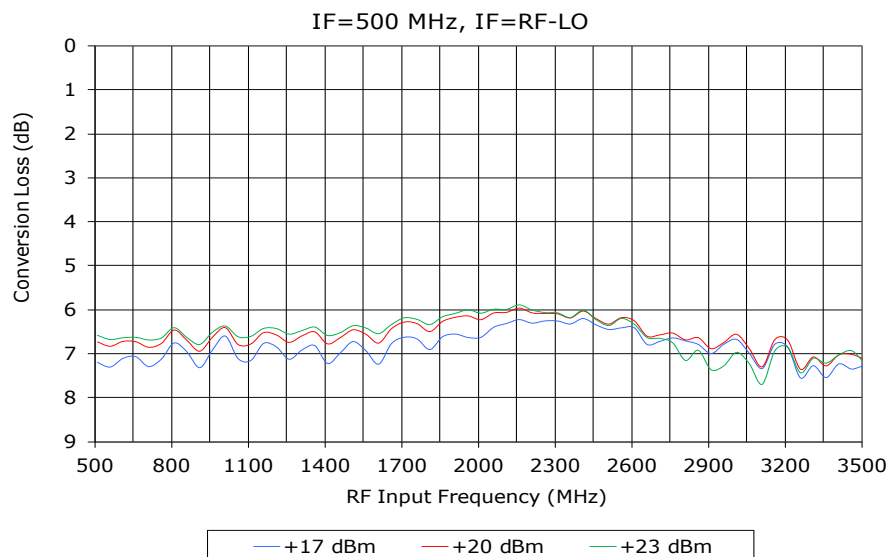
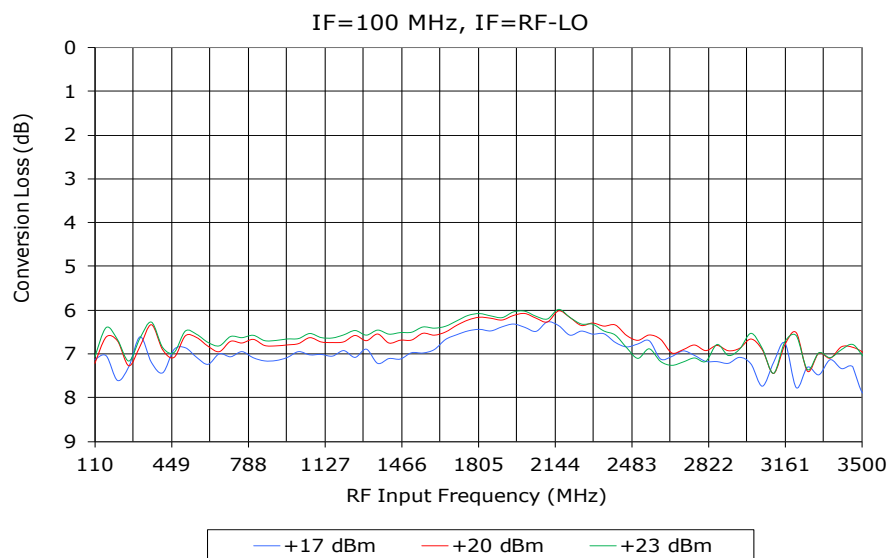
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PERFORMANCE PLOTS



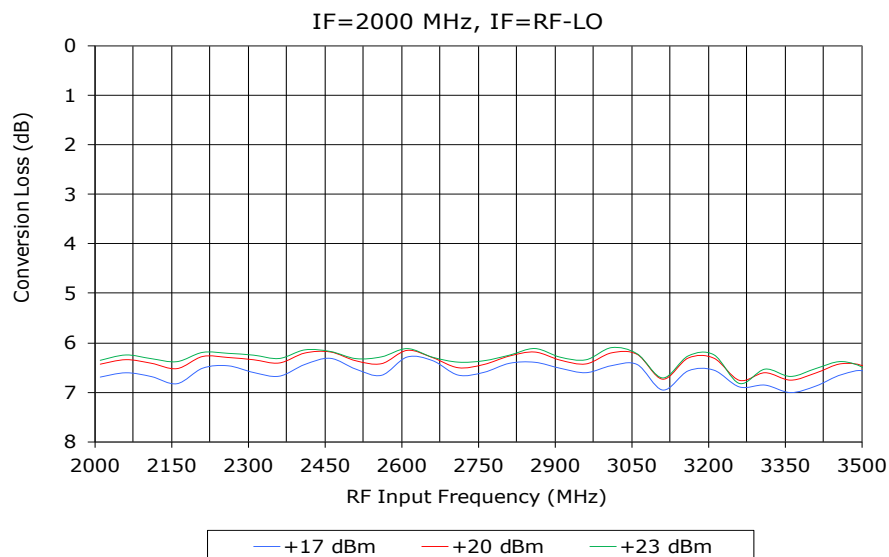
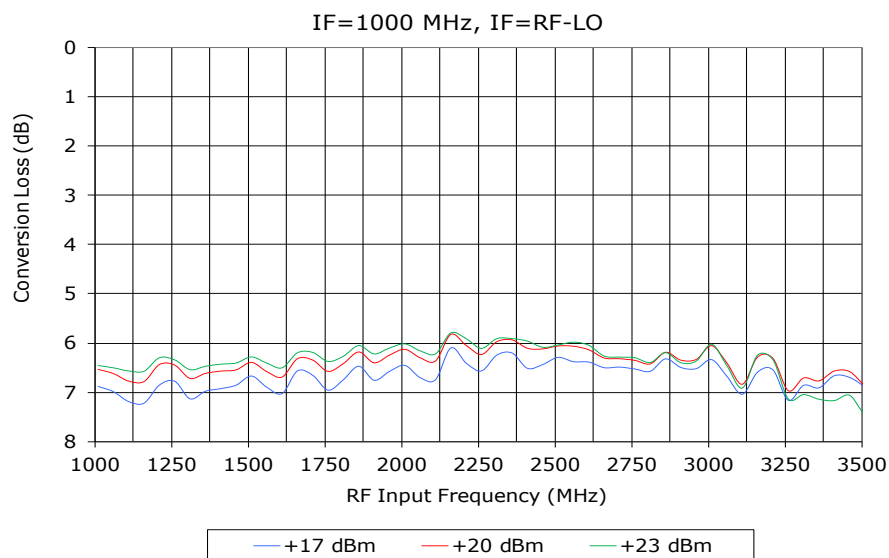
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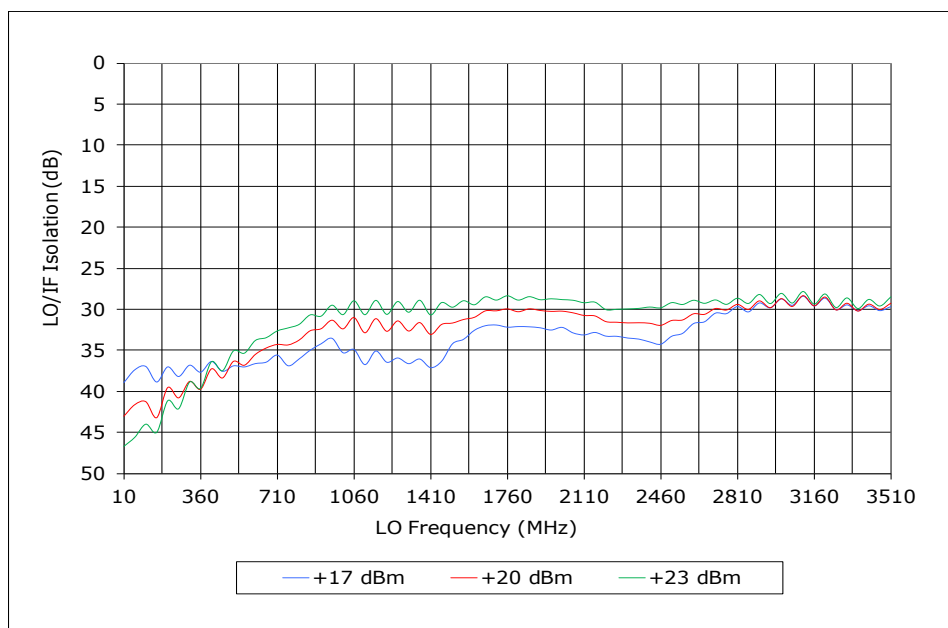
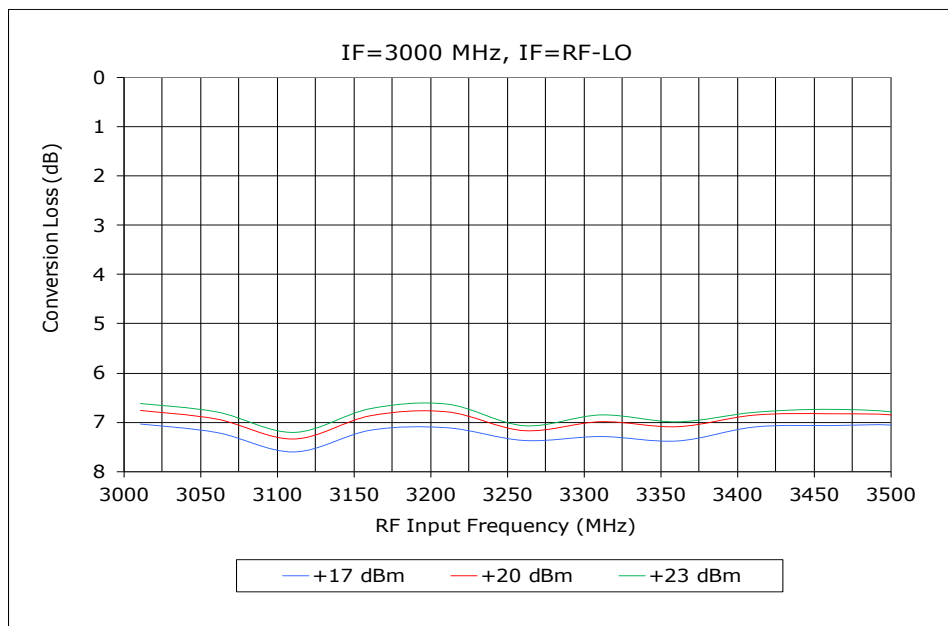
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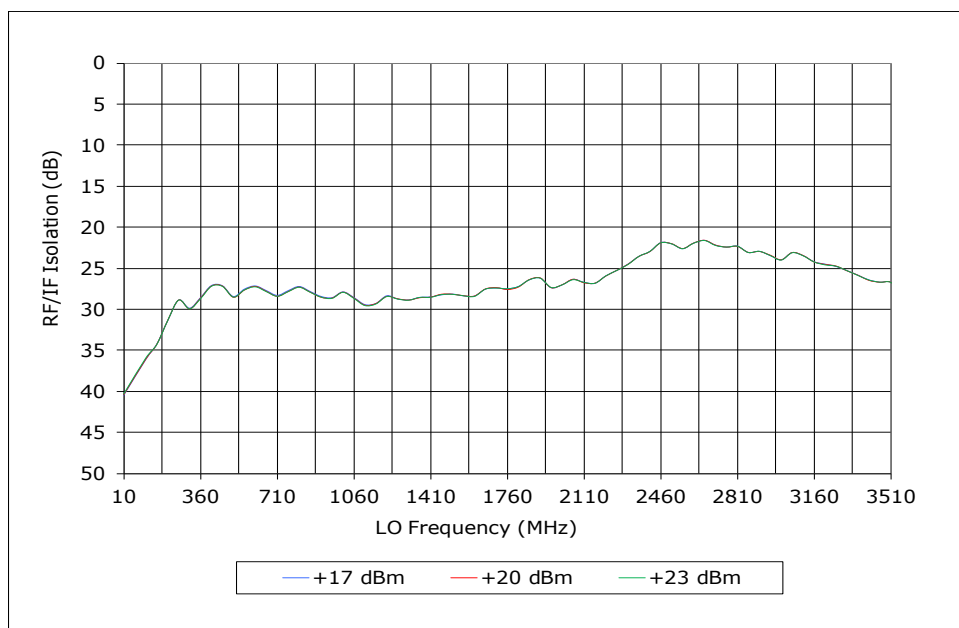
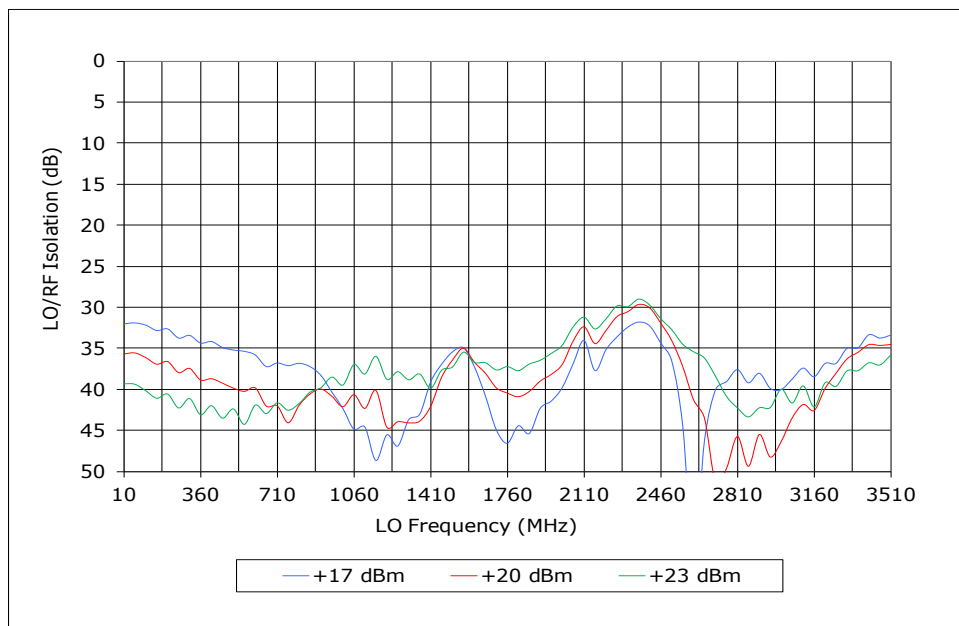
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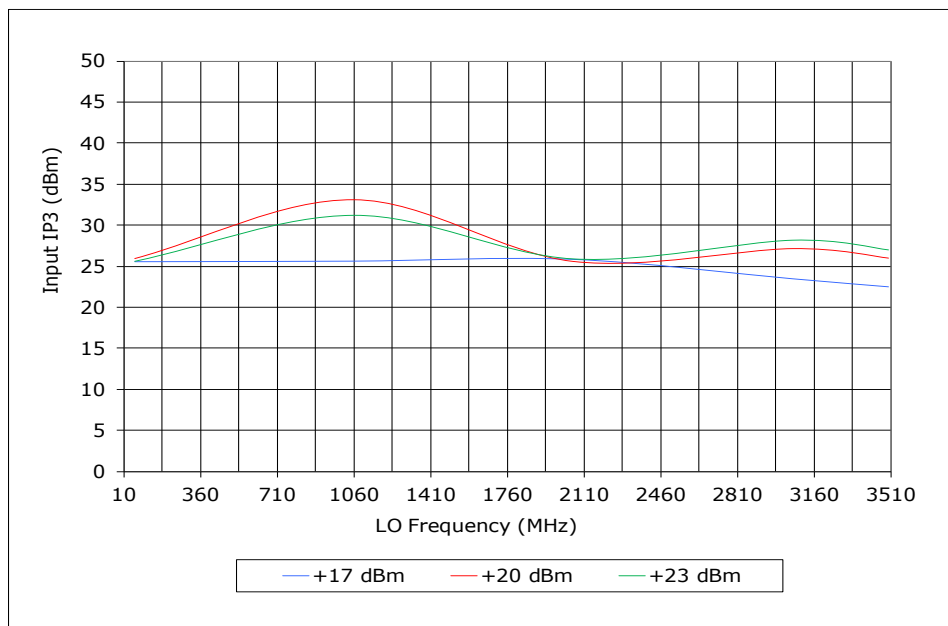


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