

DOUBLE-BALANCED MIXER

SURFACE MOUNT MODEL: SMD-K2

WIDE BANDWIDTH

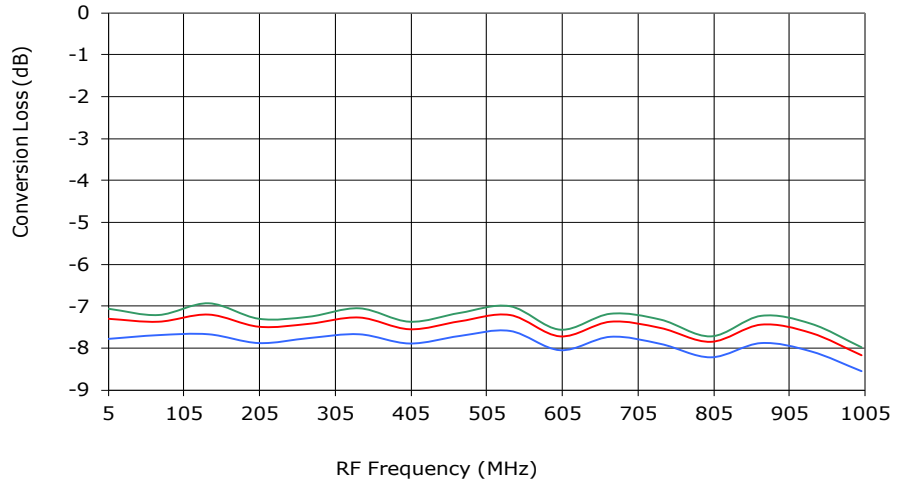
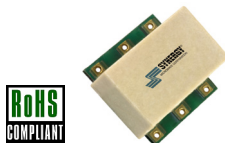
5-1000 MHz

FEATURES:

- ▶ High Performance
- ▶ High Interport Isolation
- ▶ Broad Bandwidth IF
- ▶ Good IF Matching
- ▶ Flat Conversion Loss Response

APPLICATIONS:

- ▶ Narrow Band & Broadband Up/Down Conversion.



— LO=4 dBm — LO=7 dBm — LO=10 dBm

SPECIFICATIONS (Rev. B 04/21/16)

Frequency (MHz)	LO/RF 5 - 1000	IF DC - 1000	
Conversion Loss (dB)	Freq. (MHz)	Typ.	Max.
	10 - 500	6.5	8.0
Isolation (dB)	LO/RF		
	Freq. (MHz)	Typ./Min.	
	5 - 50	60/40	
	50 - 500	40/20	
	500 - 1000	25/20	
	LO/IF		
Freq. (MHz)	Typ./Min.		
5 - 50	55/30		
50 - 1000	30/20		
1000 - 2000	20/12		
LO Power	+7 dBm (Nom.)		
1 dB Compression Point	+1 dBm (Typ.)		
Input IP ³	+13 dBm (Typ.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

Package # 134LF

REL-PRO PATENT NO. 7,612,296

TOLERANCES ON THREE DECIMAL PLACES = ± 0.015
PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200 & AN7300

PORT CONFIGURATION

RF	LO	IF	GND.
4	1	5	2,3,6

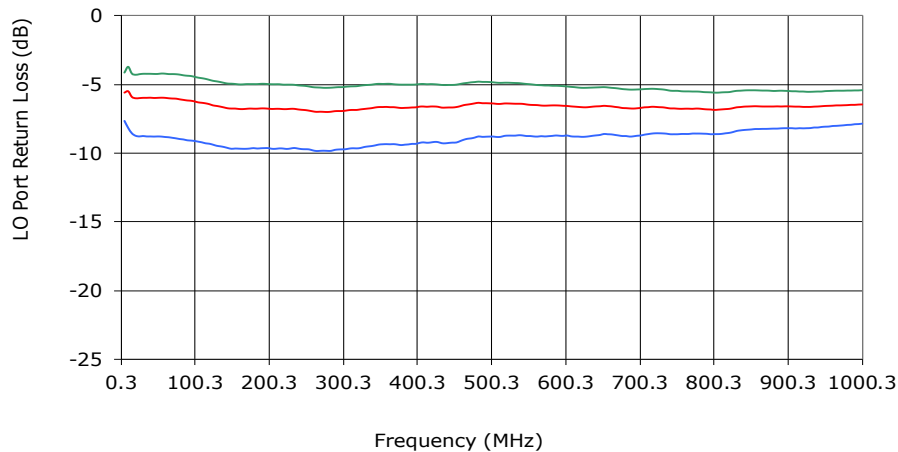
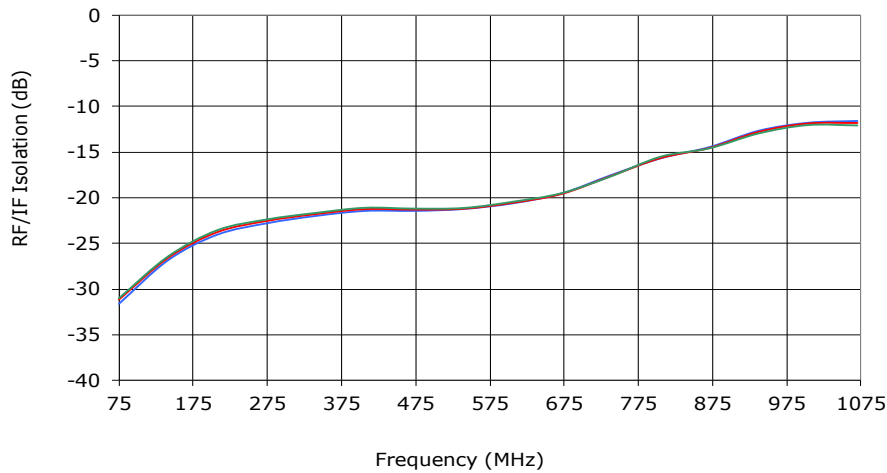
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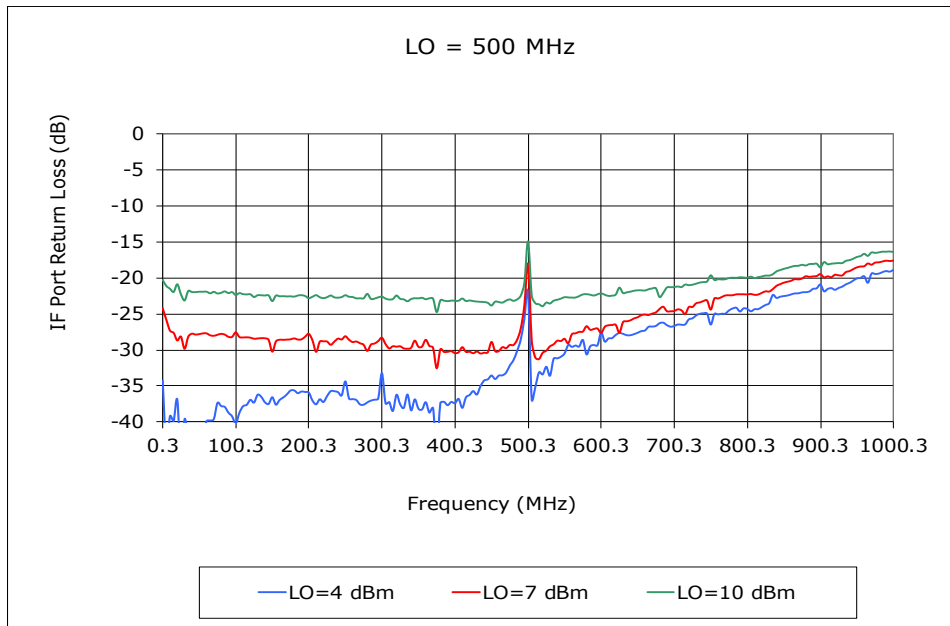
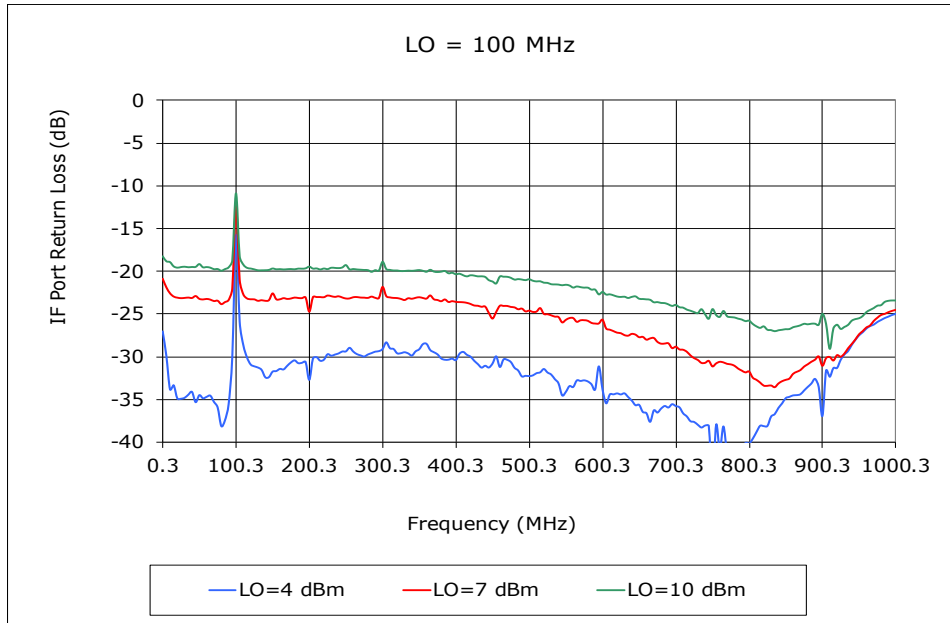
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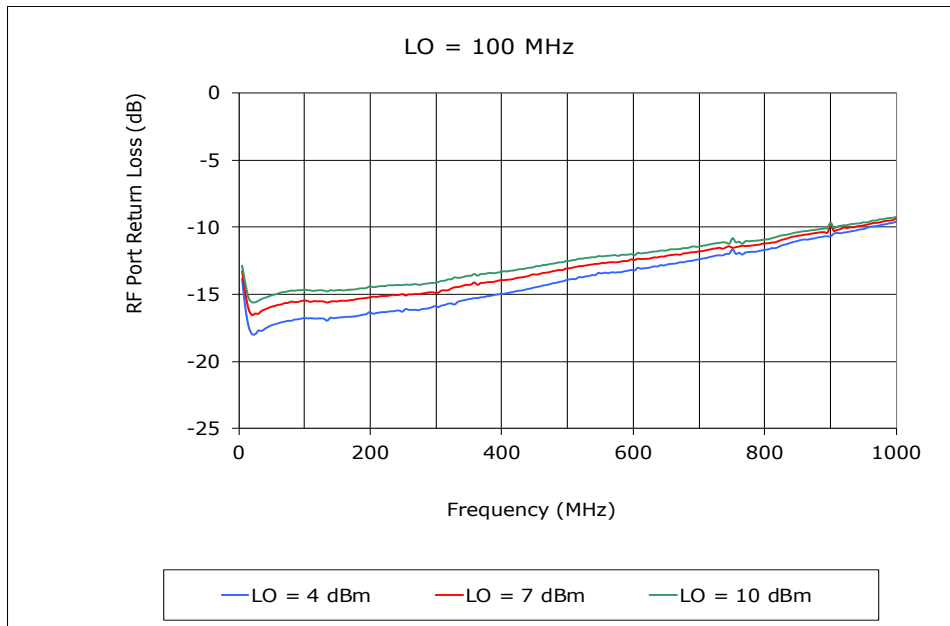
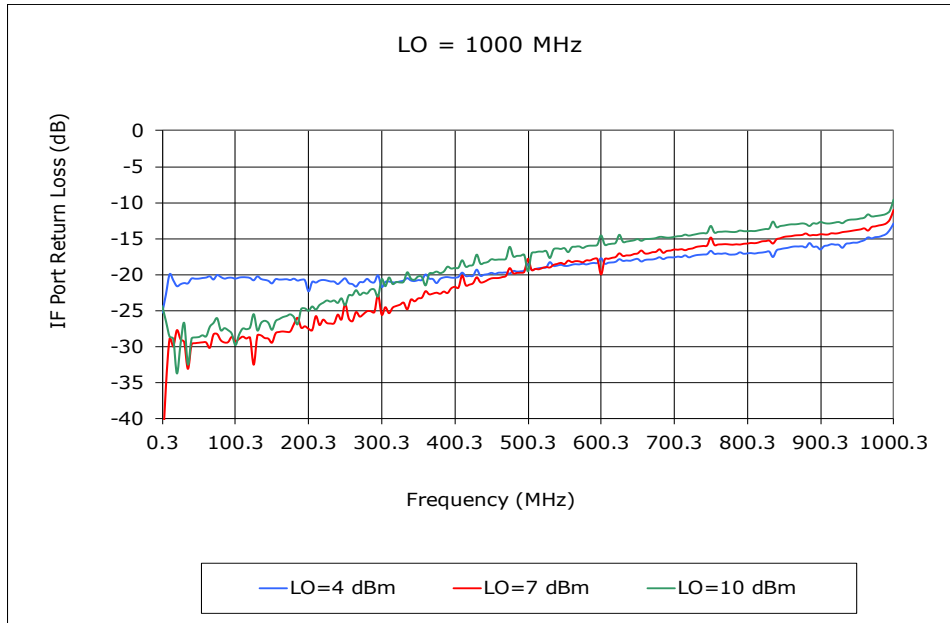
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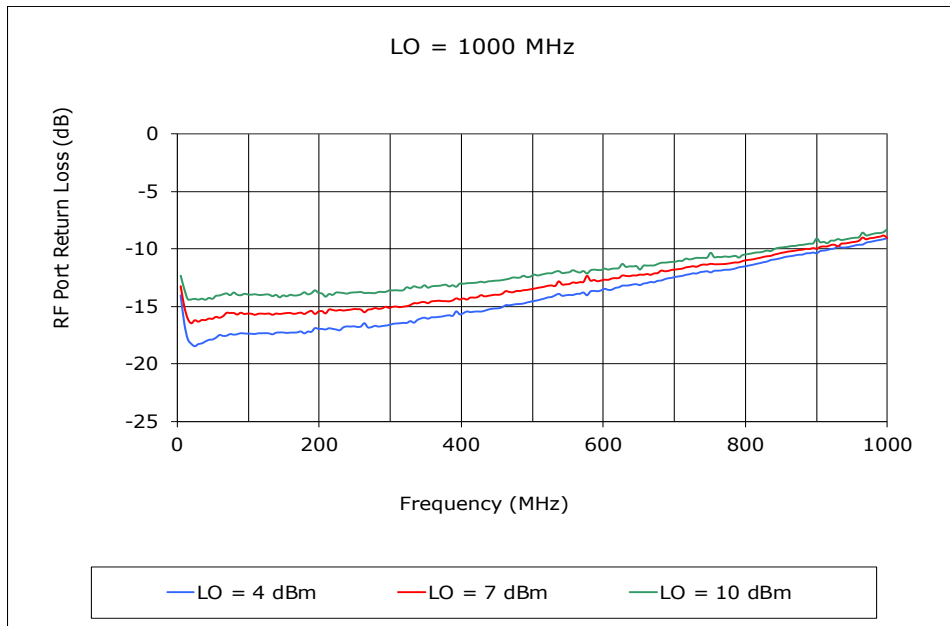
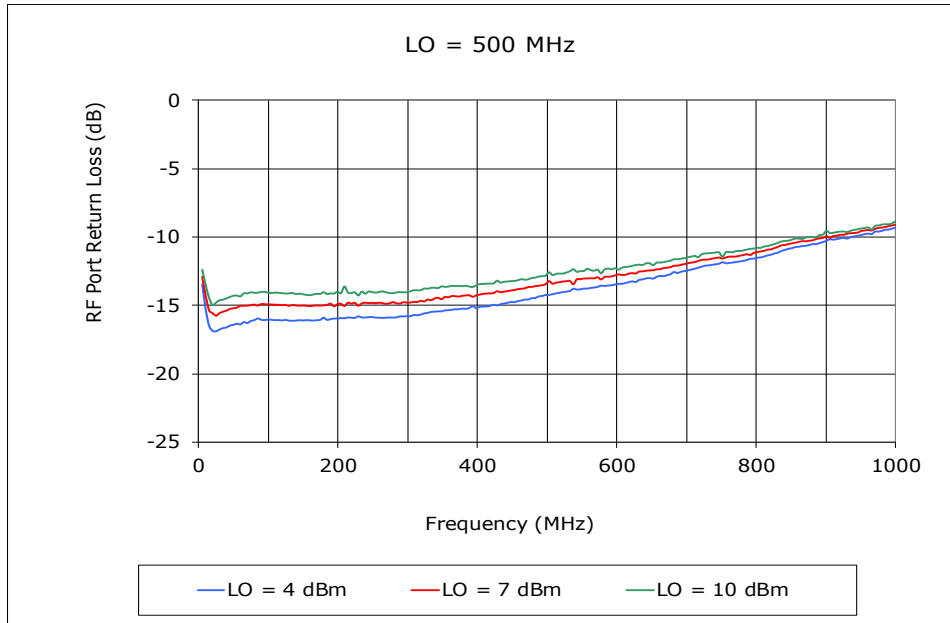
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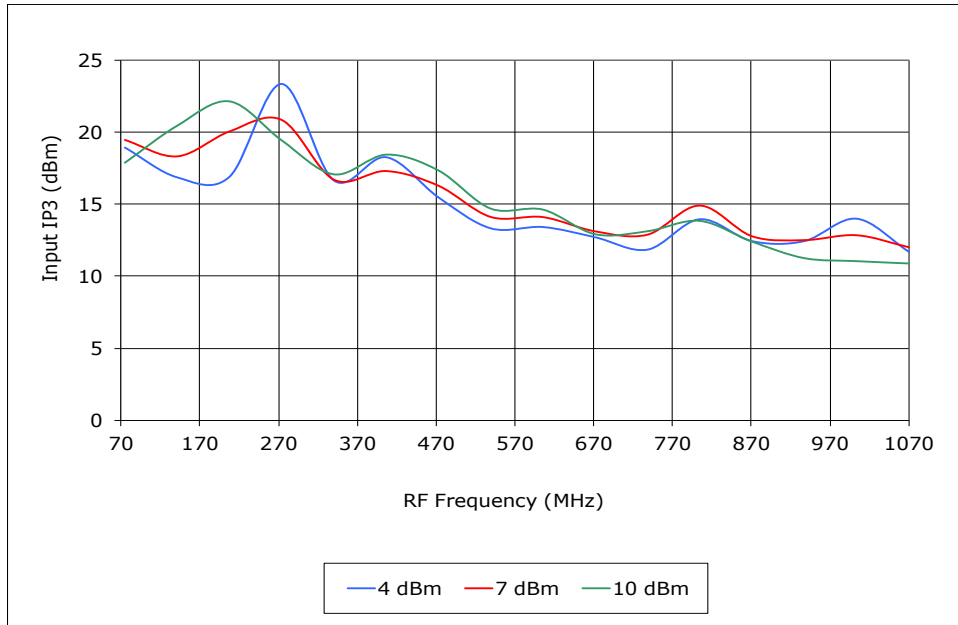


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