

DOUBLE-BALANCED MICROWAVE MIXER

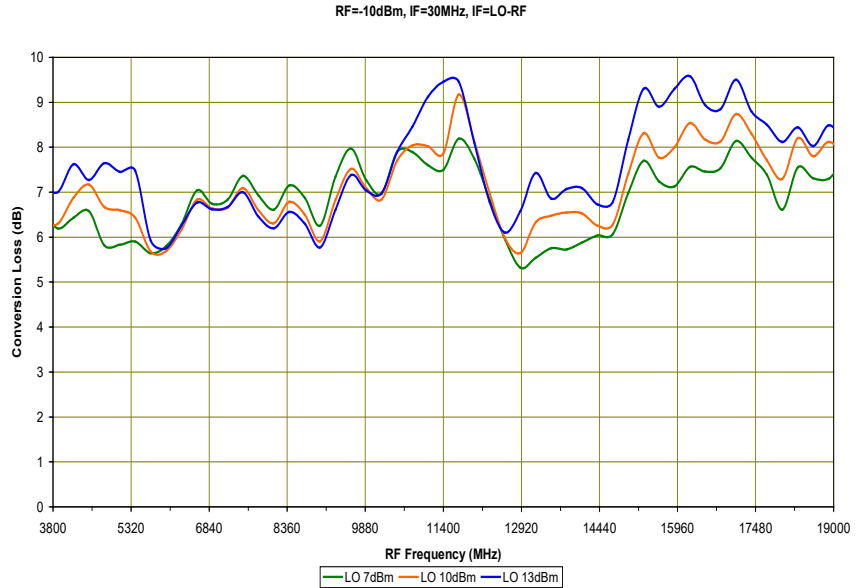
SURFACE MOUNT MODEL: SGS-5-10

WIDE BANDWIDTH - GALAXY SERIES

3 - 19 GHz

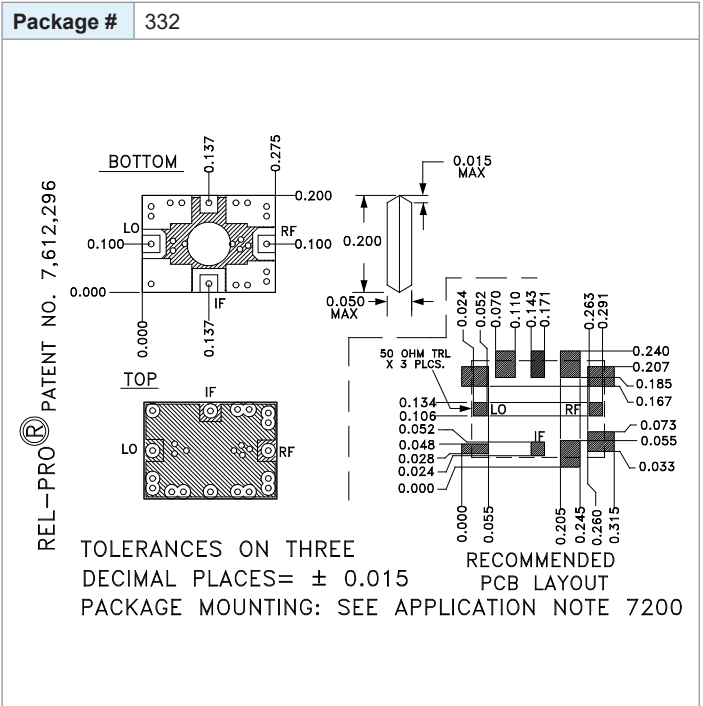
FEATURES:

- ▶ Multi-Octave Bandwidth
- ▶ Schottky Diode Mixers
- ▶ Low Conversion Loss
- ▶ REL-PRO® Patented Technology
- ▶ SYNSTRIP® Multi-Layer Technology



SPECIFICATIONS (Rev. E 06/21/16)

Frequency (GHz)	RF/LO	IF	
	3 - 19	DC - 4	
Conversion Loss (dB)	Typ.	Max.	
	7.5	11	
Isolation (dB)		Typ.	Min.
	LO/RF	25	15
	LO/IF	12	5
	RF/IF	25	7
LO Power	+10 dBm (Nom.)		
1 dB Compression Point	-2 dBm (Typ.)		
Input IP ³	+10 dBm (Typ.)		
RF Input Power	100 mW (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		



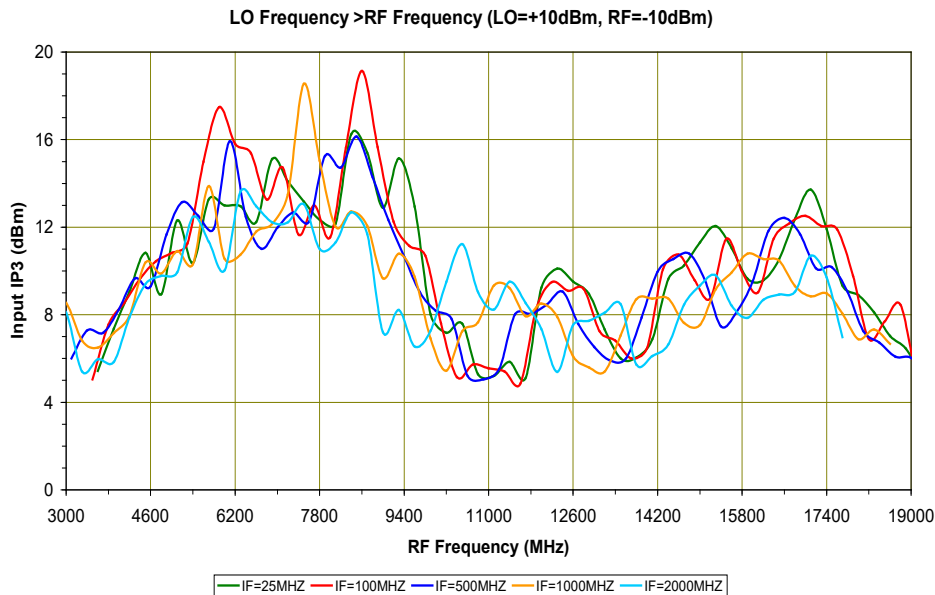
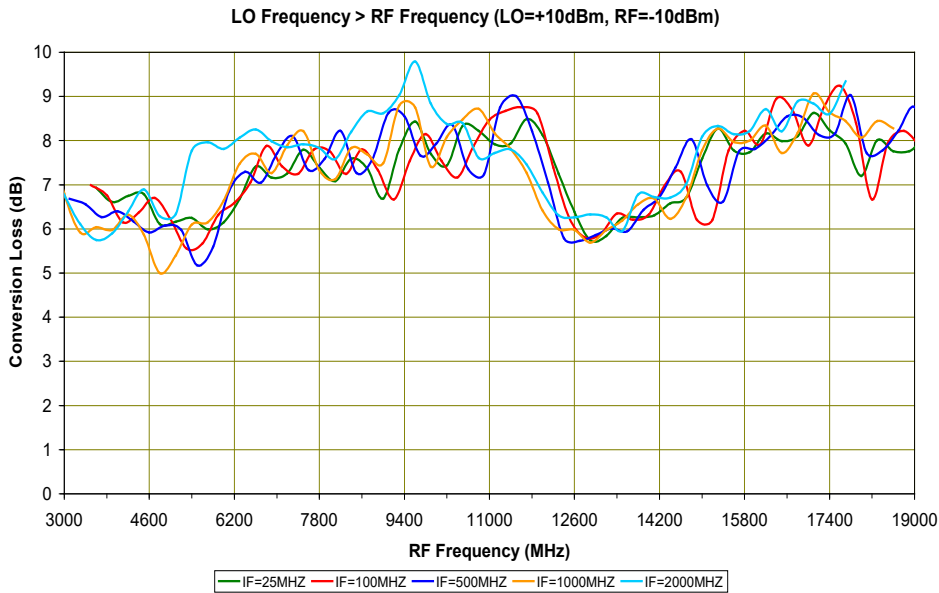
DOUBLE-BALANCED MICROWAVE MIXER

SURFACE MOUNT MODEL: SGS-5-10

WIDE BANDWIDTH - GALAXY SERIES

3 - 19 GHz

PERFORMANCE PLOTS



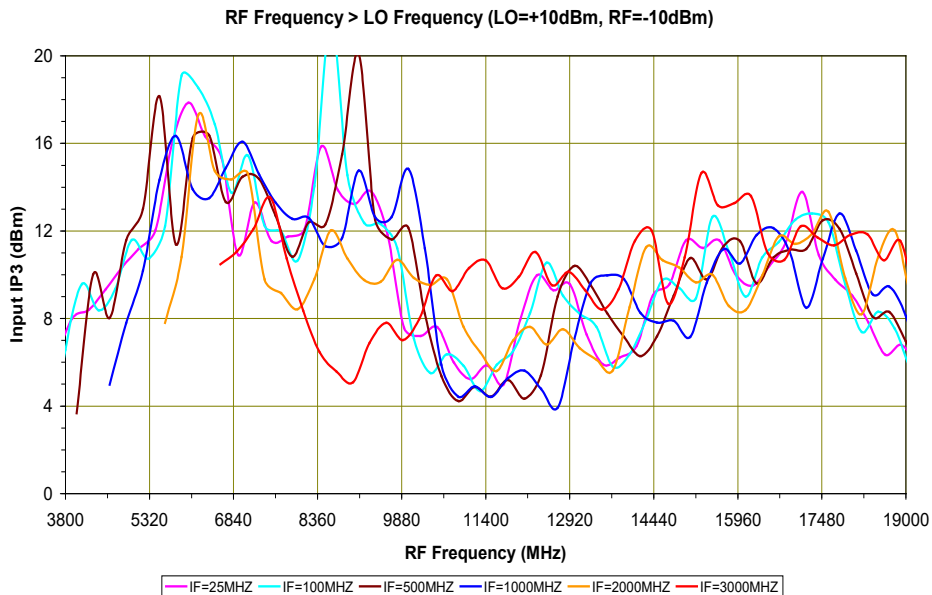
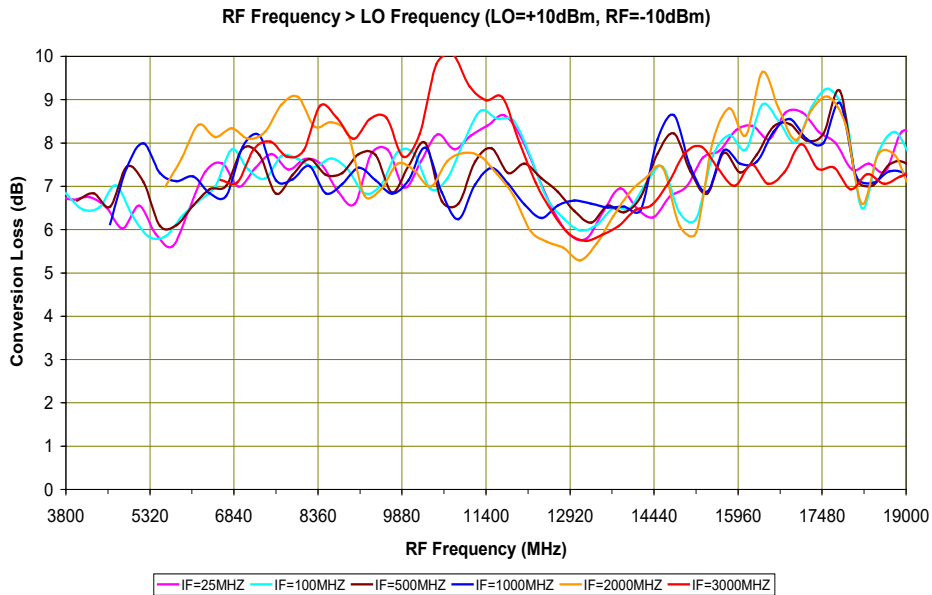
DOUBLE-BALANCED MICROWAVE MIXER

SURFACE MOUNT MODEL: SGS-5-10

WIDE BANDWIDTH - GALAXY SERIES

3 - 19 GHz

PERFORMANCE PLOTS



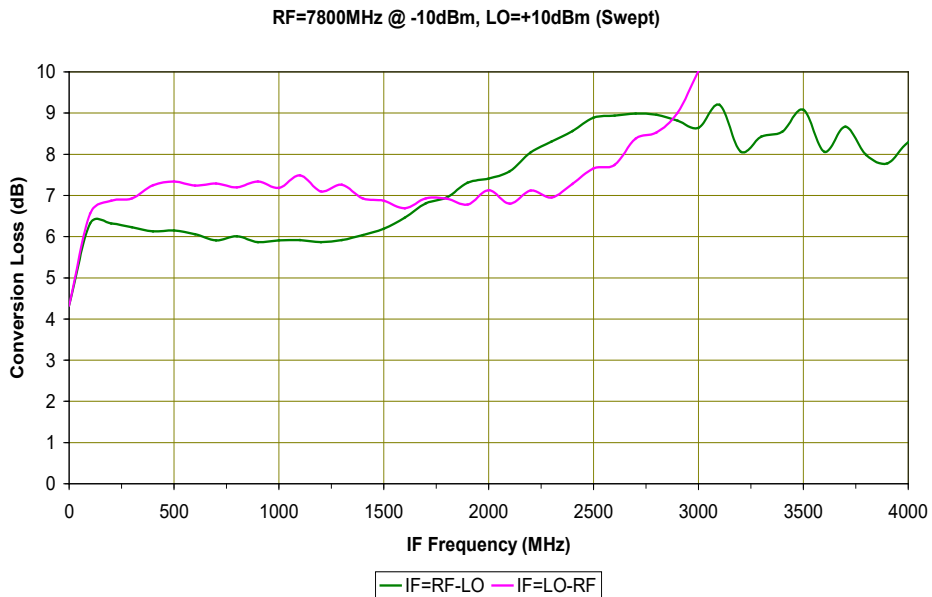
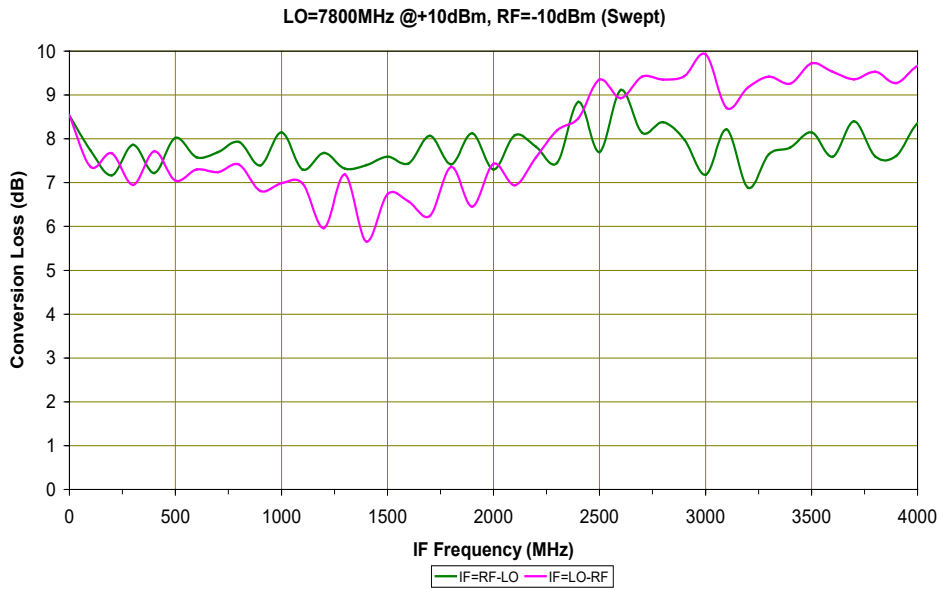
DOUBLE-BALANCED MICROWAVE MIXER

SURFACE MOUNT MODEL: SGS-5-10

WIDE BANDWIDTH - GALAXY SERIES

3 - 19 GHz

PERFORMANCE PLOTS



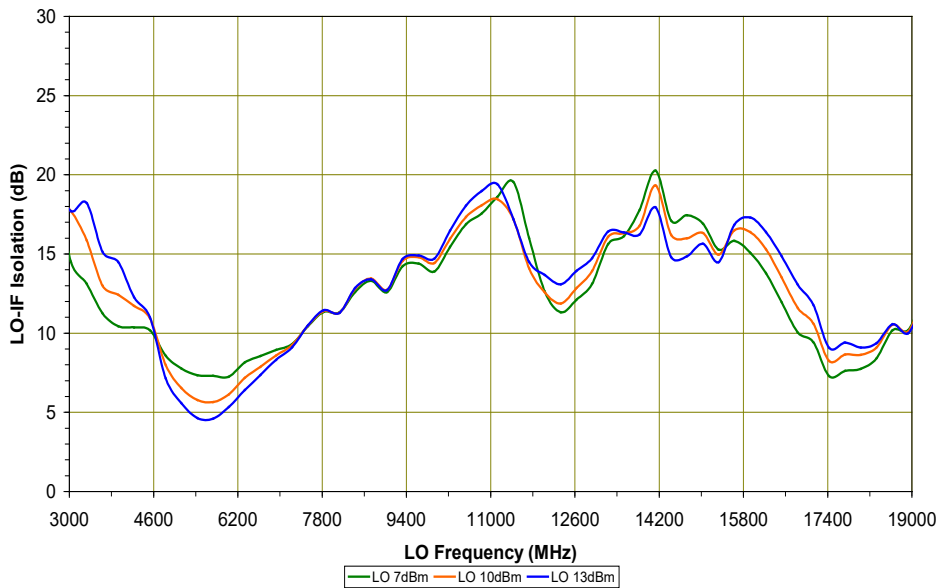
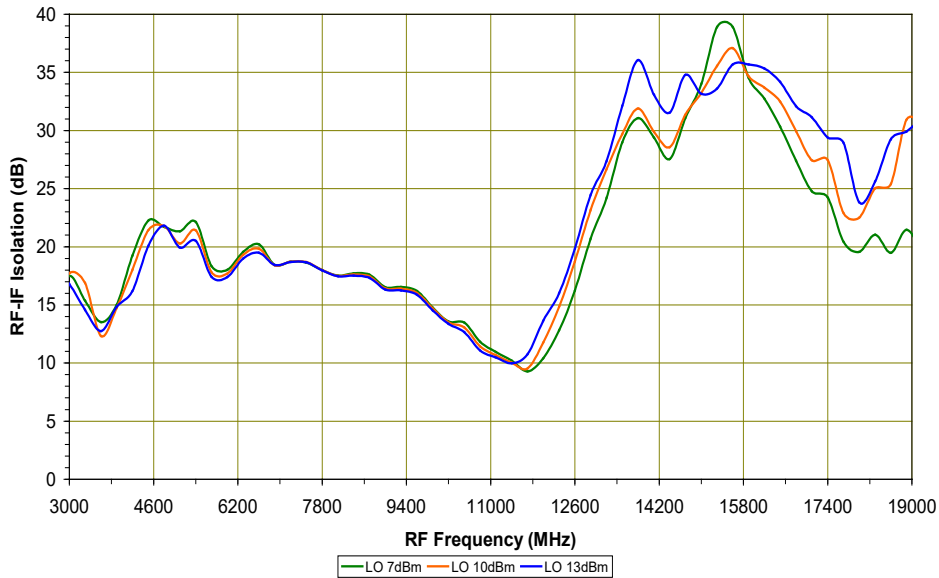
DOUBLE-BALANCED MICROWAVE MIXER

SURFACE MOUNT MODEL: SGS-5-10

WIDE BANDWIDTH - GALAXY SERIES

3 - 19 GHz

PERFORMANCE PLOTS

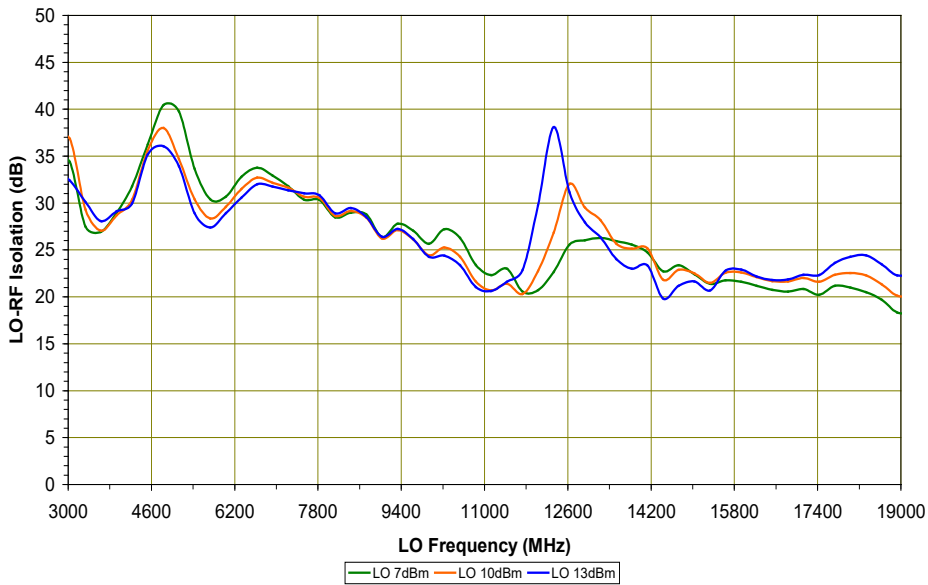


DOUBLE-BALANCED MICROWAVE MIXER

SURFACE MOUNT MODEL: SGS-5-10

WIDE BANDWIDTH - GALAXY SERIES

3 - 19 GHz



PERFORMANCE PLOTS