

DOUBLE-BALANCED MICROWAVE MIXER

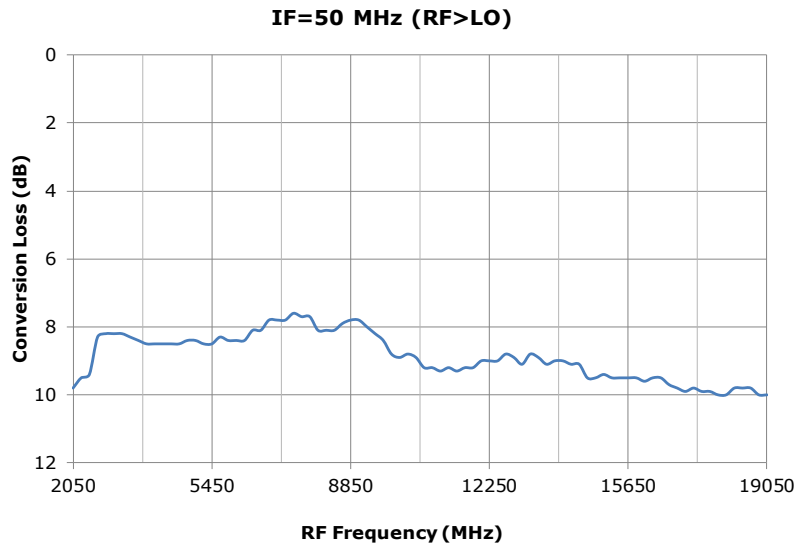
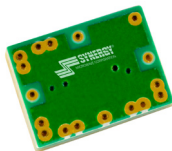
SURFACE MOUNT MODEL: SGS-6-17

WIDE BANDWIDTH - GALAXY SERIES

3 - 19 GHz

FEATURES:

- ▶ Compact Size
- ▶ Low Conversion Loss
- ▶ SYNSTRIP® Multi-layer Technology
- ▶ REL-PRO® Patented Technology
- ▶ Low Cost



SPECIFICATIONS

Frequency (GHz)	RF/LO	IF	
	3 - 19	DC - 4	
Conversion Loss (dB)	Typ.	Max.	
	8.0	11.0	
Isolation (dB)		Typ.	Min.
	LO/RF	30	15
	LO/IF	20	13
LO Power	+17 dBm (Nom.)		
1 dB Compression Point	4 dBm (Typ.)		
Input IP ³	+16 dBm (Typ.)		
RF Input Power	100 mW (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

Package # 332

REL-PRO® PATENT NO. 7,612,296

Remove copper from mixer diodes hole area. $\phi 0.100$

50 OHM TRL X 3 PLCS.

TOLERANCES ON THREE DECIMAL PLACES = ± 0.015

RECOMMENDED PCB LAYOUT

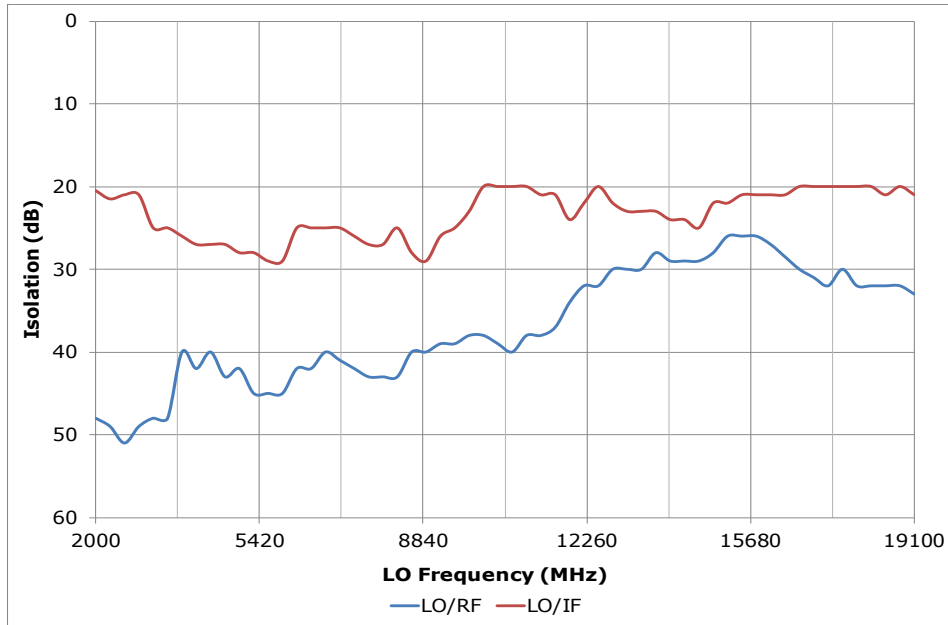
PACKAGE MOUNTING: SEE APPLICATION NOTES AN7200 & AN7700

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PERFORMANCE PLOTS