

# DOUBLE-BALANCED MIXER

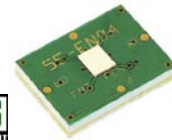
## SURFACE MOUNT MODEL: SGM-2-17

WIDE BANDWIDTH

250 - 3250 MHz

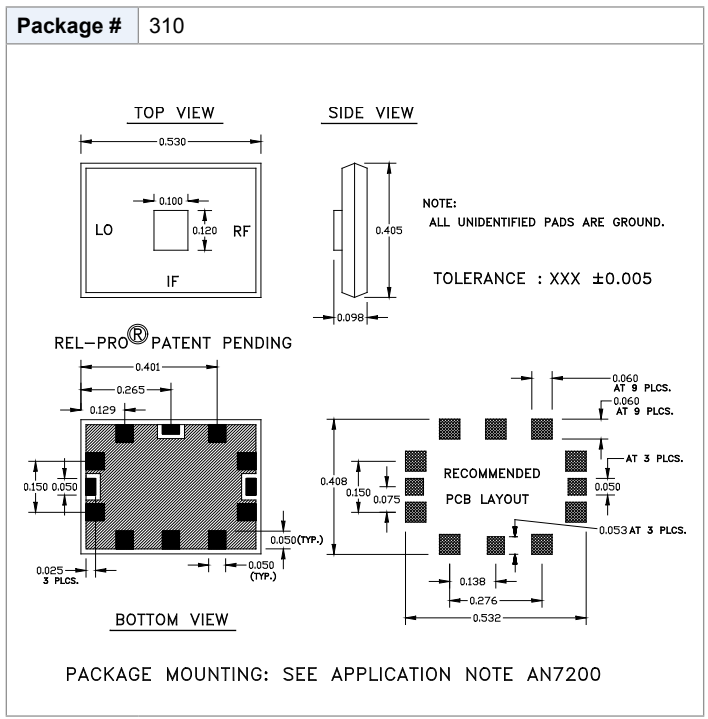
**FEATURES:**

- ▶ High Reliability
- ▶ Low Construction Cost
- ▶ Small Size, Surface Mount
- ▶ RoHS Compliant
- ▶ Lead Free REL-PRO® Technology



**SPECIFICATIONS**

Frequency (MHz)	RF/LO	IF	
	250 - 3250	DC - 700	
Conversion Loss (dB)	Typ.	Max.	
	6.5	8.5	
Isolation (dB)		Typ.	Min.
	LO/RF	30	15
	LO/IF	10	5
	RF/IF	30	15
LO Power	+17 dBm (Nom.)		
1 dB Comp. Pt.	+10 dBm (Typ.)		
Input IP <sup>3</sup>	+18 dBm (Typ.)		
RF Input Power	100 mW (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		



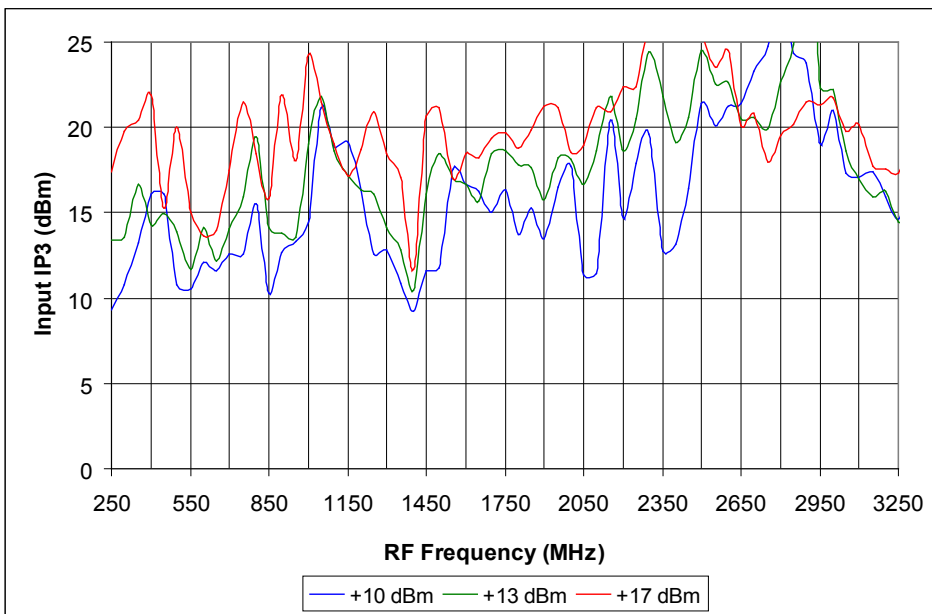
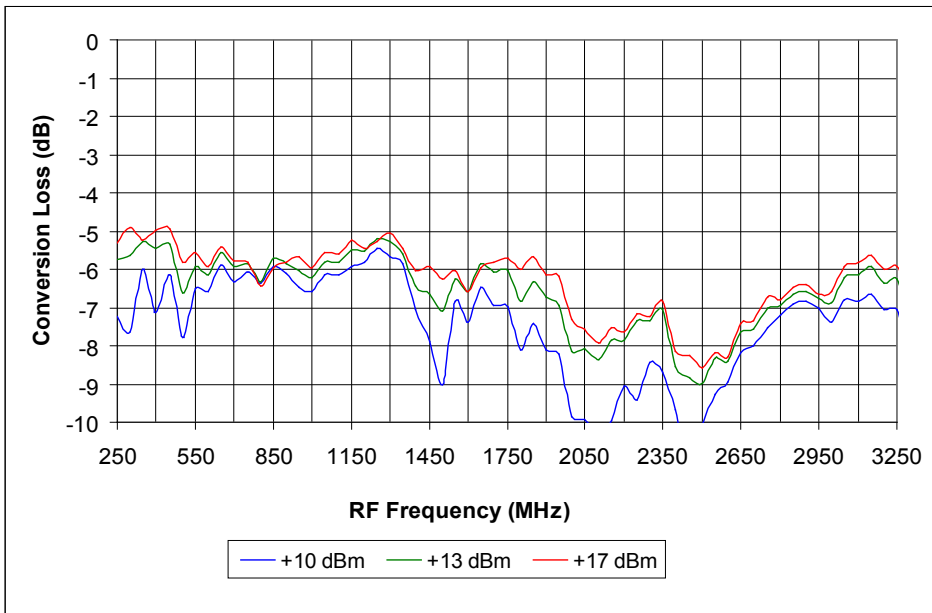
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PERFORMANCE PLOTS



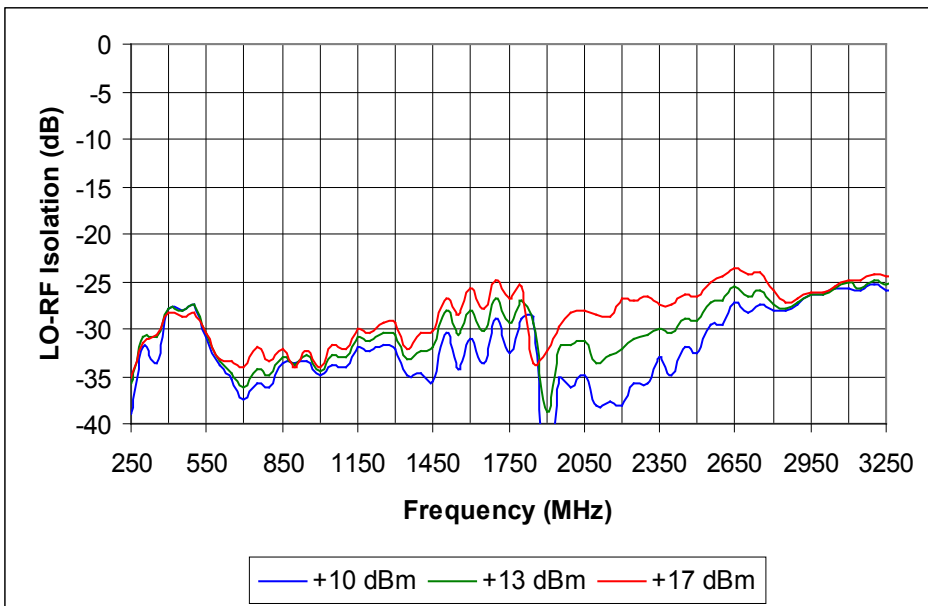
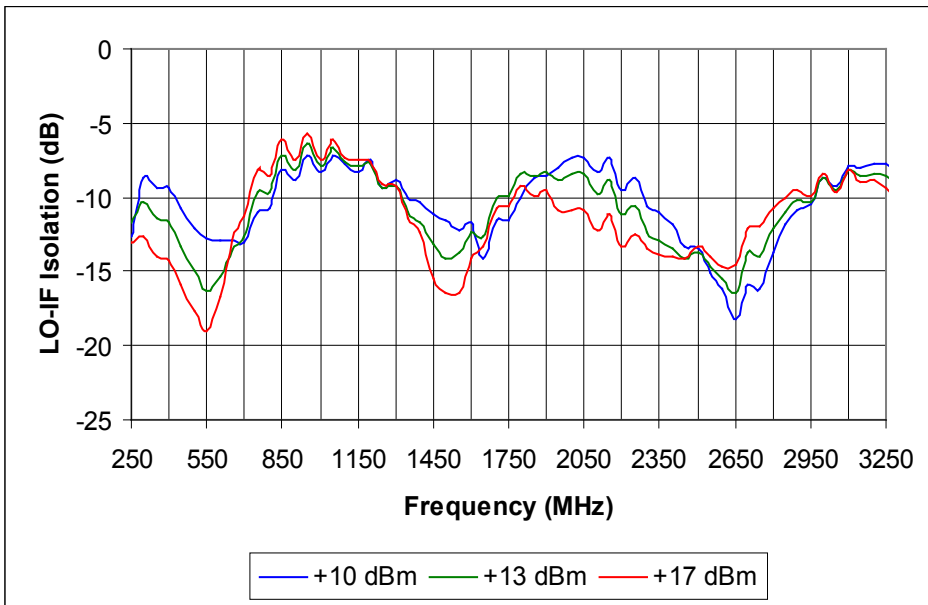
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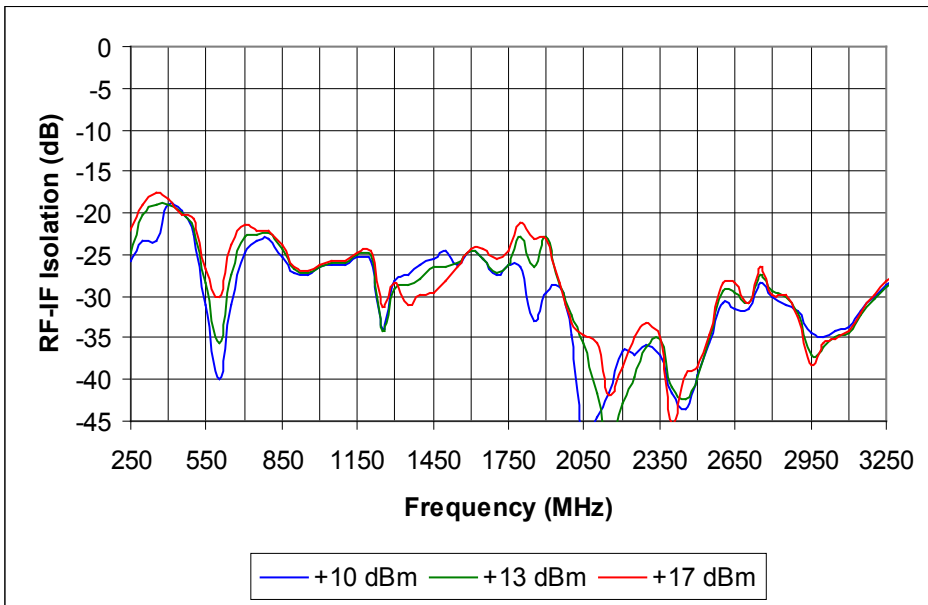


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