

## 250 - 3250 MHz



|                             |                |      |          |
|-----------------------------|----------------|------|----------|
| 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  |      |          |

**Package # 310**

**TOP VIEW**

0.530

0.100

0.120

RF

LO

IF

**SIDE VIEW**

0.405

0.098

**NOTE:**  
ALL UNIDENTIFIED PADS ARE GROUND.

**TOLERANCE : XXX ±0.005**

**REL-PRO<sup>®</sup> PATENT PENDING**

0.401

0.265

0.129

0.150

0.050

0.025  
3 PLCS.

0.050 (TYP.)

0.050 (TYP.)

**BOTTOM VIEW**

0.060  
AT 9 PLCS.

0.060  
AT 9 PLCS.

AT 3 PLCS.

0.050

0.053 AT 3 PLCS.

**RECOMMENDED  
PCB LAYOUT**

0.408

0.150

0.075

0.138

0.276

0.532

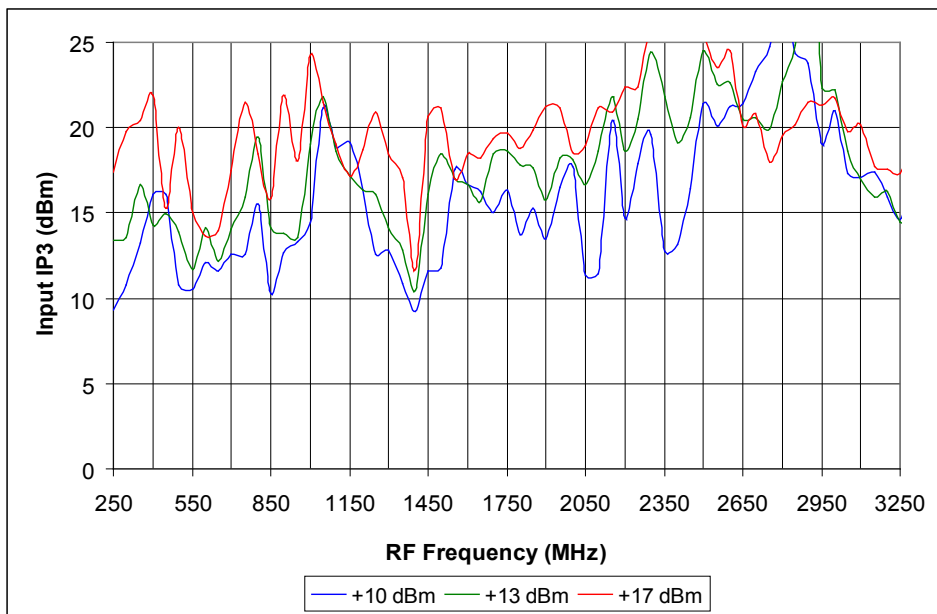
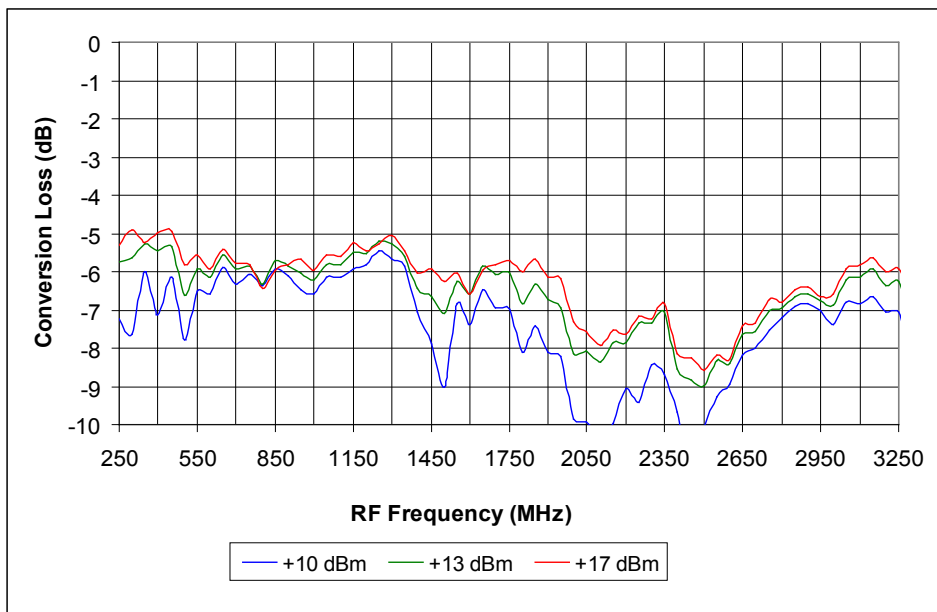
# DOUBLE-BALANCED MIXER

## SURFACE MOUNT MODEL: SGM-2-17

WIDE BANDWIDTH

250 - 3250 MHz

PERFORMANCE PLOTS



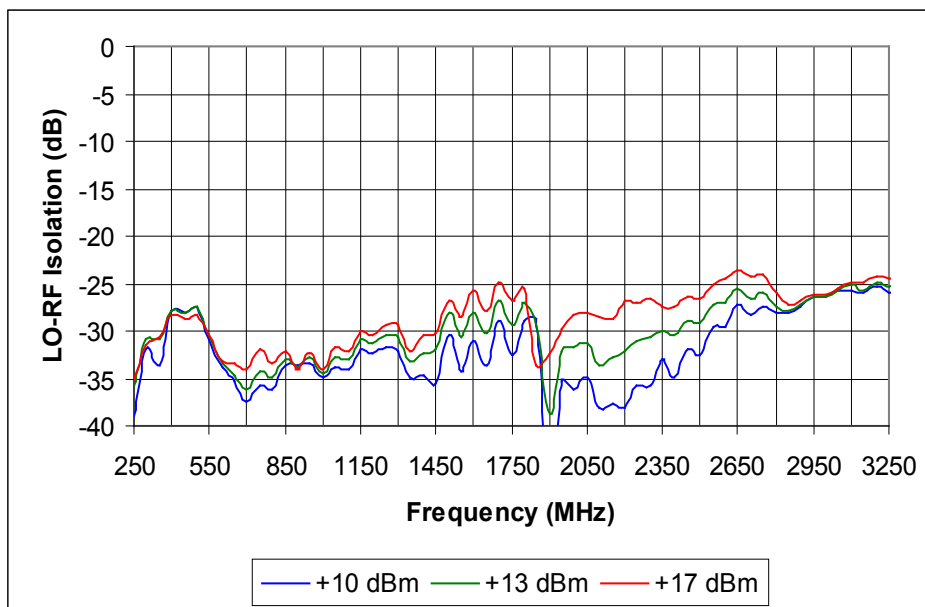
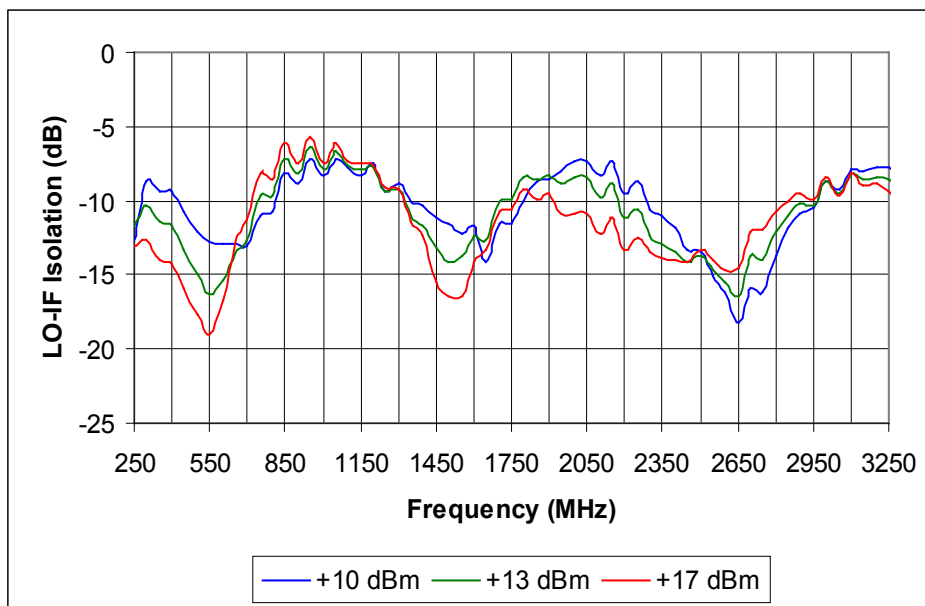
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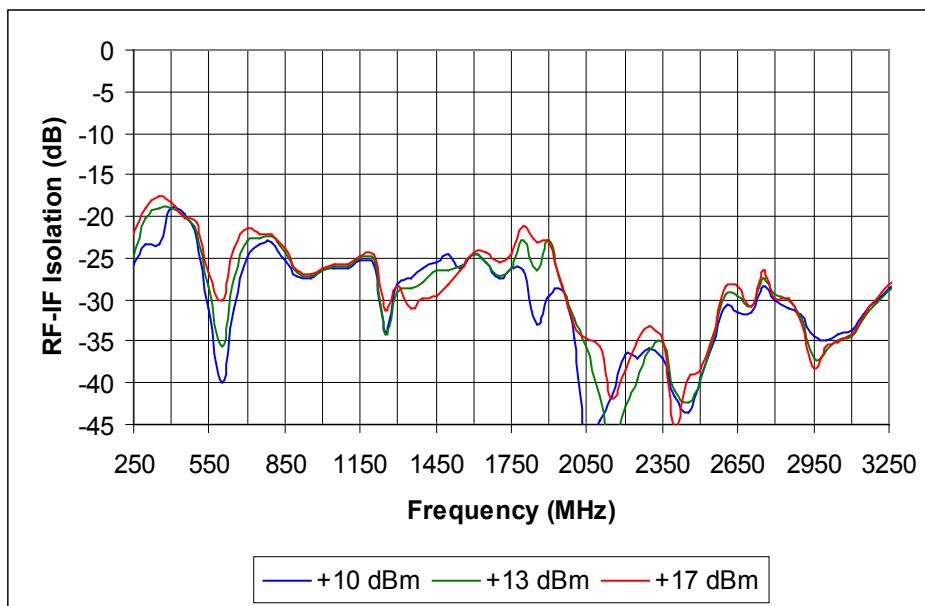


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