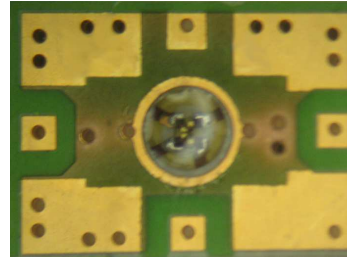


**Features:**

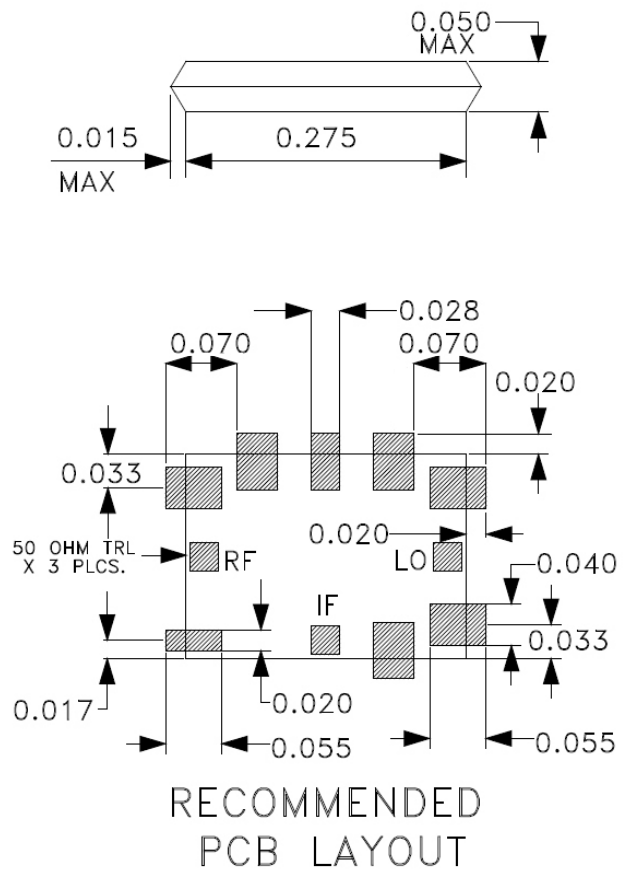
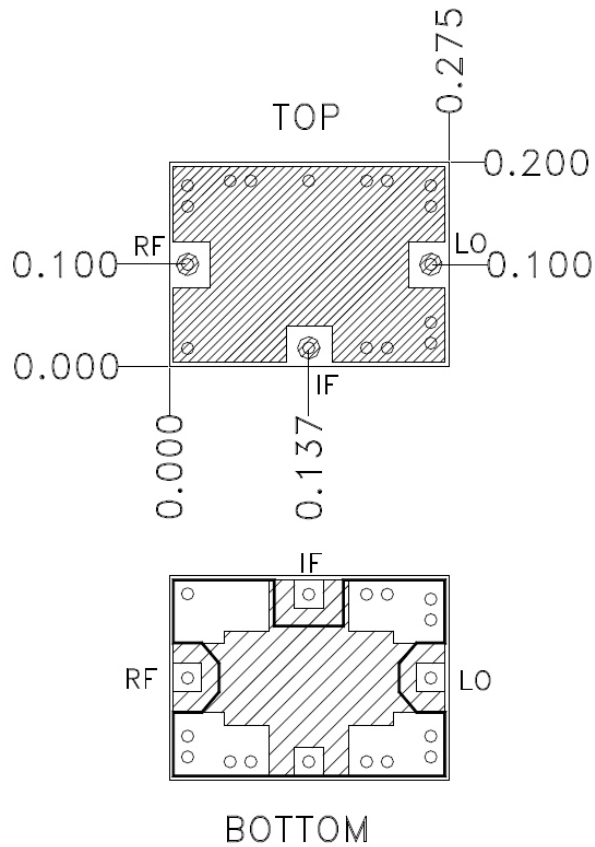
- ▶ ITAR-Free
- ▶ Excellent Performance
- ▶ Multi-Oktave Bandwidth
- ▶ Low Conversion Loss
- ▶ RoHS Compliant
- ▶ Schottky Diode Mixers



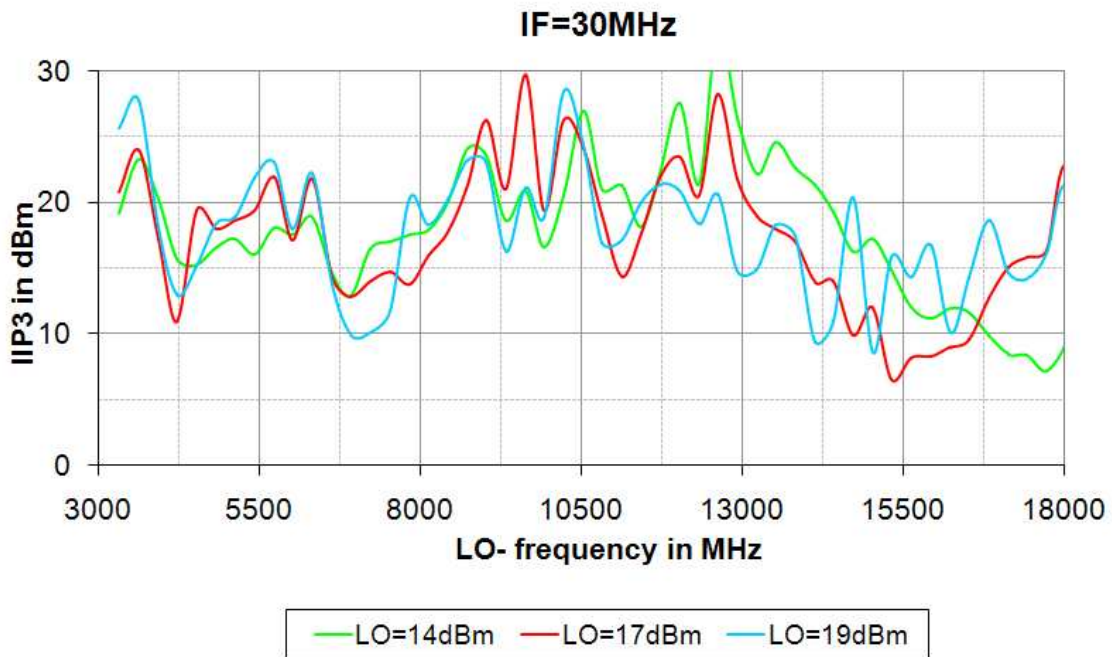
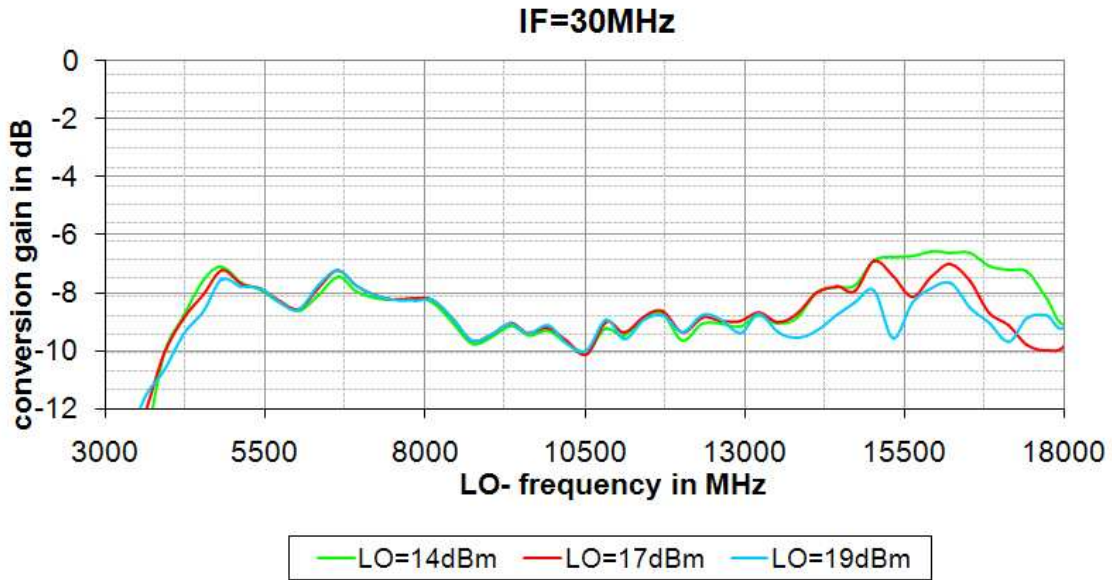
**Applications:**

<b>Specifications:</b>	
<b>Frequency Range</b>	
	<b>RF/LO:</b> 4-18 GHz
	<b>IF:</b> 0-2GHz
<b>Isolation(Typ./Min.)</b>	
	<b>LO/RF:</b> 25dB/17dB
	<b>LO/IF:</b> 20dB/13dB
	<b>RF/IF:</b> 15dB/7dB
<b>Conversion Loss(Typ./Max.)</b>	9dB/11dB
<b>LO Power(Nom)</b>	+17dBm
<b>1 dB Compression Point(Typ.)</b>	TBD
<b>Input IP3(Nom.)</b>	+15dBm
<b>RF Input Power(Max.)</b>	100 mW
<b>Impedance(Nom.)</b>	50 Ohm
<b>Operating Temperature Range</b>	-40 to +85°C

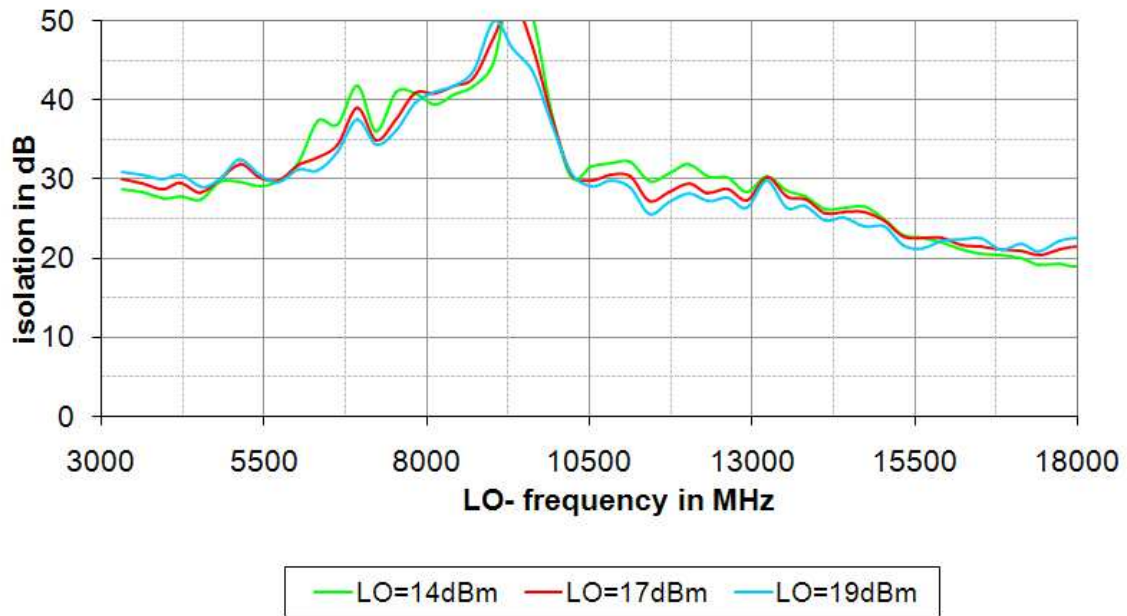
**Outline Drawing:**



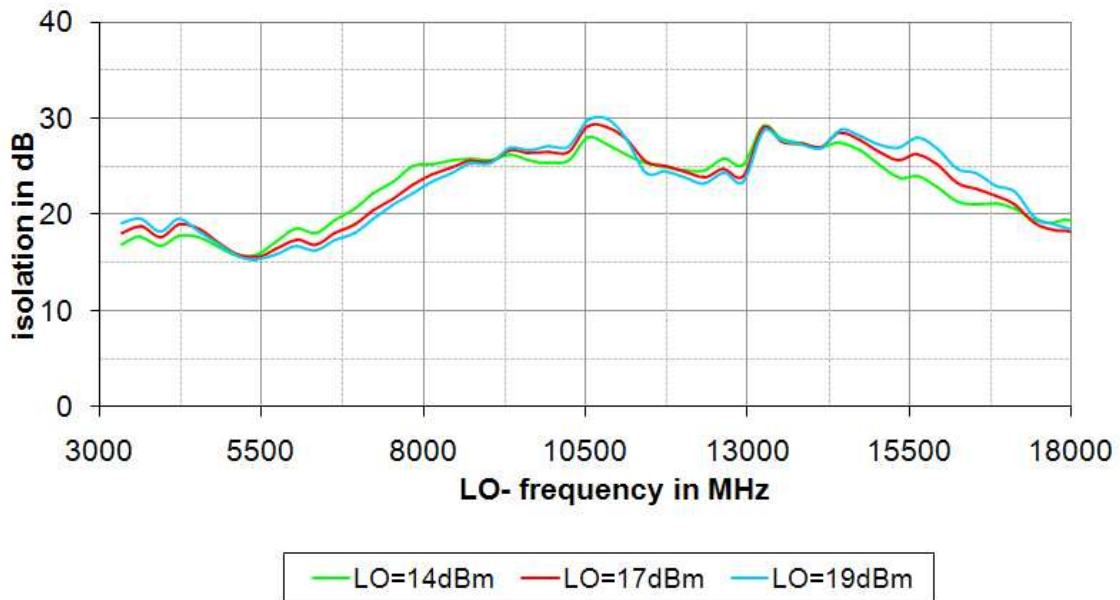
Performance Plots:



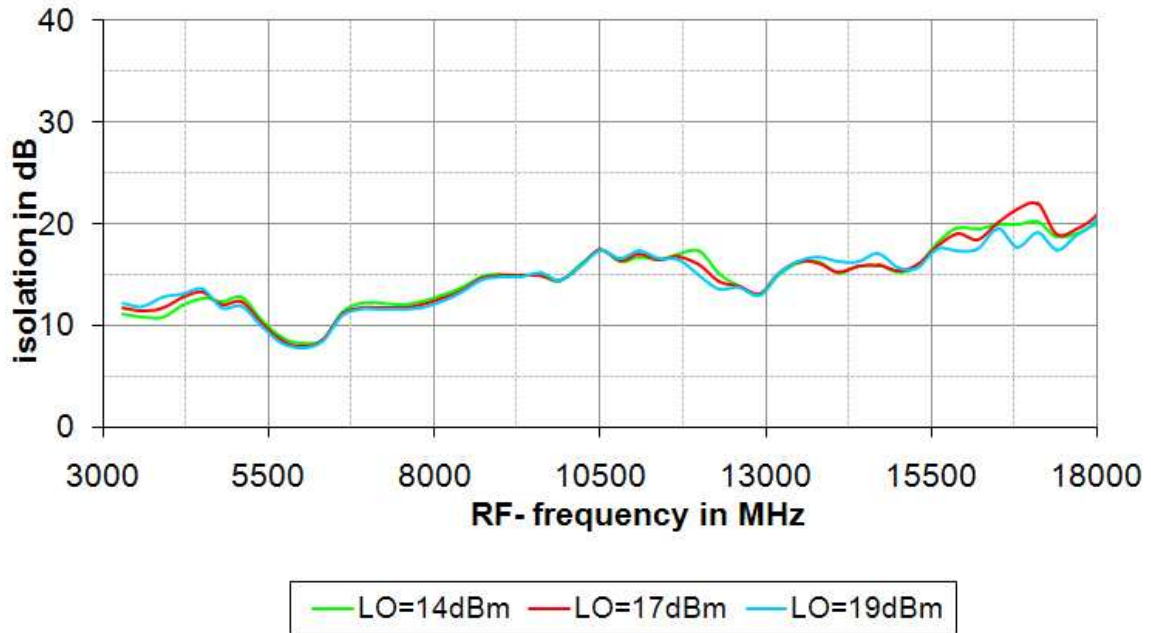
**LR-ISOLATION**



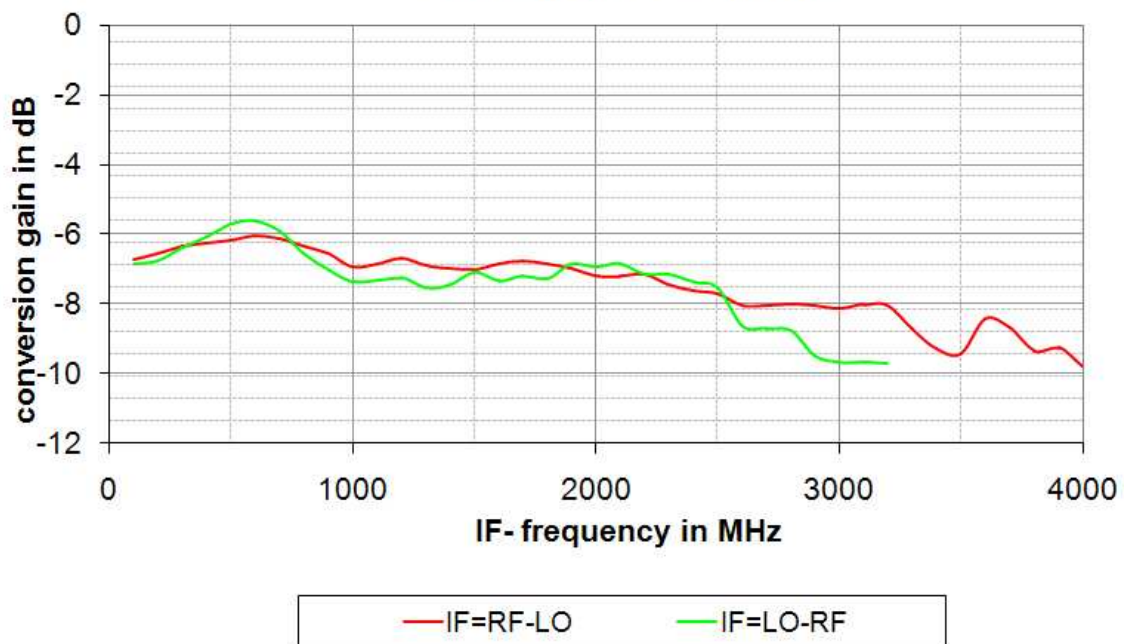
**LI-ISOLATION**



**RI-ISOLATION**



**RF=7.0GHz, LO=17dBm**





**MULTILAYER DOUBLE BALANCED MIXER  
MODEL SGS-5-17V**

November 16, 2009

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**Datasheet**

**WIDE BANDWIDTH**

**4-18 GHz**

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