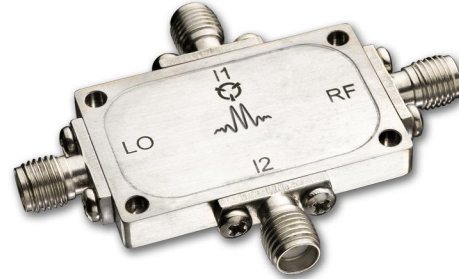


SINGLE-SIDEBAND  
DOUBLE-BALANCED MIXERS

SSB-0218



**Features**

- ¾ LO/RF 2.0 to 18.0 GHz
- ¾ IF 50 to 90 MHz
- ¾ 7 dB Typical Conversion Loss
- ¾ 22 dB Typical Sideband Suppression
- ¾ 22 dB Typical Carrier Suppression
- ¾ Ultra-Broadband RF and LO
- ¾ IF Bands available from 30 to 500 MHz

**Electrical Specifications**

Parameter	LO (GHz)	RF (GHz)	IF (MHz)	Min	Typ	Max	Diode Option LO drive level (dBm)
Conversion Loss (dB)	2.0-18.0	2.0-18.0	50-90		7.0	9.0	
Sideband Suppression	2.0-18.0	2.0-18.0	50-90	15	22		
Carrier Suppression (0 dBm IF input)	2.0-18.0	2.0-18.0		13	22		
Input 1 dB Compression (dBm)	2.0-18.0	2.0-18.0			+5 +8		L (+13 to +16) M (+16 to +19)
Input Two-Tone Third Order Intercept Point (dBm)	2.0-18.0	2.0-18.0			+15 +18		L (+13 to +16) M (+16 to +19)

**Part Number Options**

<i>Please specify diode level and package style by adding to model number.</i>	
Package Style(s) <sup>1</sup>	Example
IR0218	SSB-0218 <u>L</u>

<sup>1</sup>Higher LO drive levels are available. Many other IF bands are available.

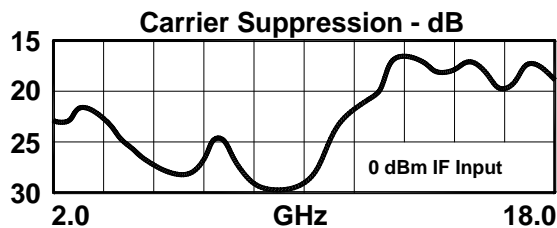
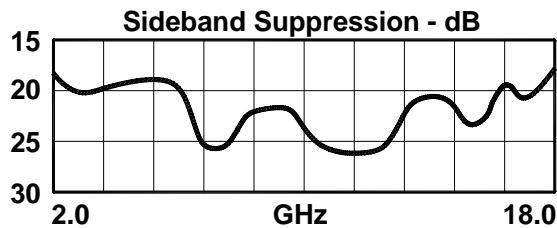
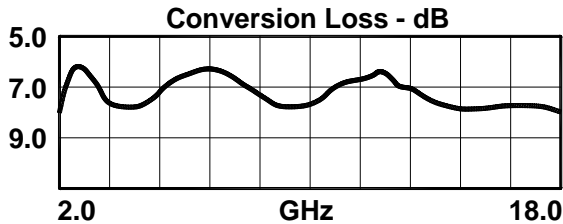
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SINGLE-SIDEBAND  
DOUBLE-BALANCED MIXERS  
Page 2

SSB-0218

LO/RF 2.0 to 18.0 GHz  
IF 50 to 90 MHz

Specifications guaranteed  
from -55 to +100°C,  
measured in a 50-Ohm System



For additional information, please visit the following sections on the Marki Microwave website.

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