

IMAGE REJECT  
DOUBLE-BALANCED MIXERS

SSB-0618



**Features**

- LO/RF 6.0 to 18.0 GHz
- IF (input) 4 to 210 MHz
- 7.5 dB Typical Conversion Loss
- 35 dB Typical LO to RF Isolation
- 23 dB Typical Sideband Suppression
- Connectorized
- Ultra-Broadband IF

**Electrical Specifications**

Parameter	LO (GHz)	RF (GHz)	IF (MHz)	Min	Typ	Max	Diode Option LO drive level (dBm)
Conversion Loss (dB)	6.0-18.0	6.0-18.0	4-210		7.5	9.0	
Sideband Suppression (dB)	8.0-18.0	8.0-18.0	4-210	16	23		
	6.0-18.0	6.0-18.0	4-210	14	23		
Isolation (dB)							
	LO-RF	8.0-18.0	8.0-18.0	25	35		
	LO-IF	8.0-18.0	8.0-18.0		25		
RF-IF	8.0-18.0	8.0-18.0			25		
Input 1 dB Compression (dBm)	6.0-18.0	6.0-18.0			+4 +6		L (+10 to +13) M (+13 to +16)
Input Two-Tone Third Order Intercept Point (dBm)	6.0-18.0	6.0-18.0			+14 +16		L (+10 to +13) M (+13 to +16)

**Part Number Options**

<i>Please specify diode level and package style by adding to model number.</i>	
<b>Package Style(s)<sup>1</sup></b>	<b>Example</b>
<a href="#">XW</a> (-1 or -2)	SSB-0618 <u>L</u> <a href="#">XW</a> -1

<sup>1</sup> -1 = FR (out) < FL; -2 = FR (out) > FL. Higher LO drive levels are available.

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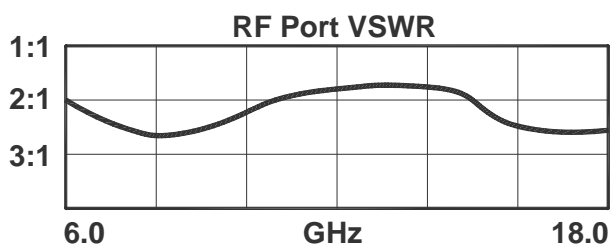
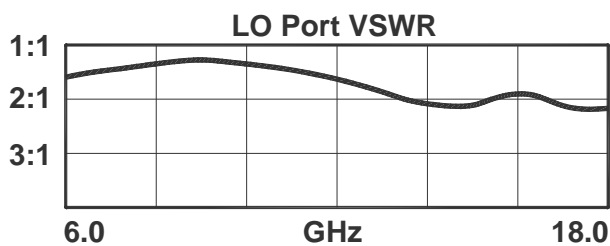
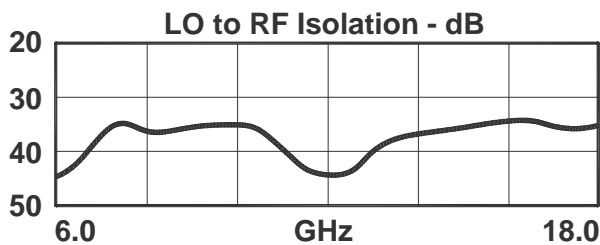
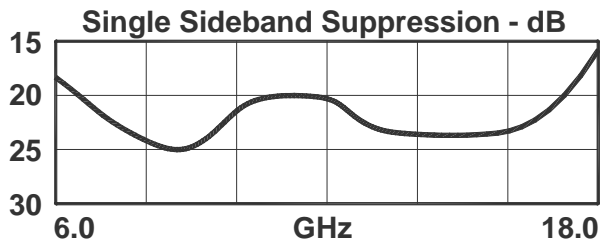
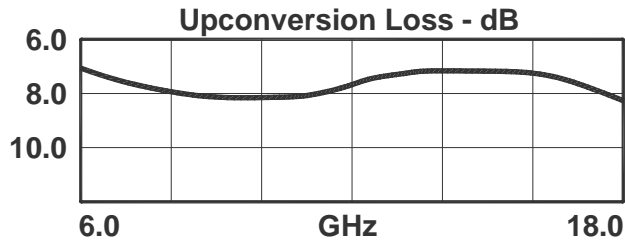
SINGLE-SIDEBAND  
DOUBLE-BALANCED MIXERS

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LO/RF 6.0 to 18.0 GHz  
IF (input) 4 to 210 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.

- [Data Sheet Notes](#)
- [Application Notes](#)
- [Package Outlines](#)
- [MTBF Calculations](#)
- [Terms & Conditions of Sale](#)
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