



TRIPLE-BALANCED MIXERS

M2-0004



Features

- ¾ LO/RF .01 to 4.0 GHz
- ¾ IF .0002 to 3.0 GHz
- ¾ 6.5 dB Typical Conversion Loss
- ¾ 30 dB Typical LO to RF Isolation
- ¾ Ultra-Broadband RF, LO, and IF

Electrical Specifications

Parameter	LO (GHz)	RF (GHz)	IF (GHz)	Min	Typ	Max	Diode Option LO drive level (dBm)
Conversion Loss (dB)	.01-4.0	.01-4.0	.0002-1.0		6.5	8.5	
	.01-4.0	.01-4.0	.0002-3.0		7.5	10.5	
Isolation (dB)							
LO-RF	.01-4.0	.01-4.0		20	30		
LO-IF	.01-4.0	.01-4.0			35		
RF-IF	.01-4.0	.01-4.0			35		
Input 1 dB Compression (dBm)	.01-4.0	.01-4.0			+5		L (+13 to +16)
Input Two-Tone Third Order Intercept Point (dBm)	.01-4.0	.01-4.0			+15		L (+13 to +16)

Part Number Options

Please specify diode level and package style by adding to model number.	
Package Style(s) ^{1, 2}	Example
A, B, C, E, EZ, P	M2-0004 <u>L</u> <u>A</u>

¹Connectorized test fixtures available for most carrier and surface mount packages. Consult factory.

²For non-connectorized packages, specify I-port configuration by adding -1 or -2 suffix to model number. Default is -2 configuration when not specified.

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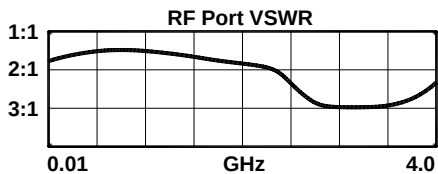
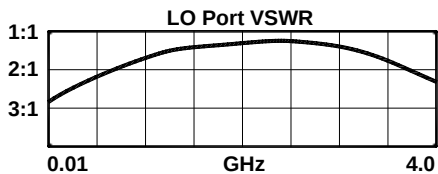
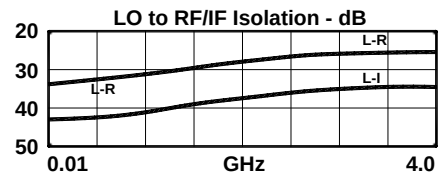
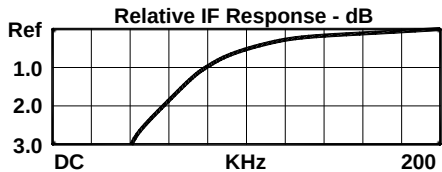
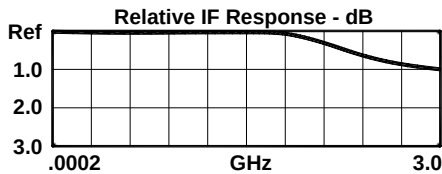
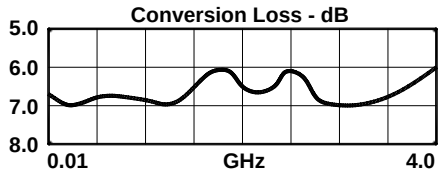
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M2-0004

LO/RF .01 to 4.0 GHz

IF .0002 to 3.0 GHz

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](#)

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