

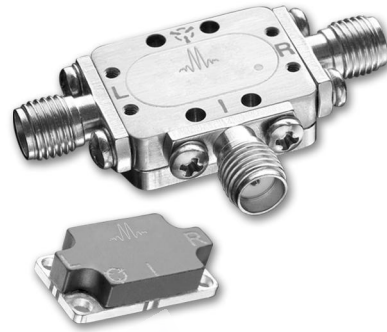


TRIPLE-BALANCED MIXERS

M2-0218

Features

- ¾ LO/RF 2.0 to 18.0 GHz
- ¾ IF .001 to 6.0 GHz
- ¾ 7.5 dB Typical Conversion Loss
- ¾ 20 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)	2.0-18.0	2.0-18.0	.001-2.0		7.5	9.5	
	2.0-18.0	2.0-18.0	2.0-4.0		8.0	10.0	
	2.0-18.0	2.0-18.0	4.0-6.0		8.5	11.0	
Isolation (dB)	2.0-18.0	2.0-18.0		15	20		
	4.0-18.0	4.0-18.0		18	23		
	2.0-18.0	2.0-18.0			25		
	2.0-18.0	2.0-18.0			20		
Input 1 dB Compression (dBm)	2.0-18.0	2.0-18.0			+5		L (+10 to +13)
					+8		M (+13 to +16)
					+11		N (+16 to +19)
					+14		H (+19 to +22)
Input Two-Tone Third Order Intercept Point (dBm)	2.0-18.0	2.0-18.0			+15		L (+10 to +13)
					+18		M (+13 to +16)
					+21		N (+16 to +19)
					+24		H (+19 to +22)

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, ZZ, P	M2-0218 <u>L</u> <u>A</u>

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

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

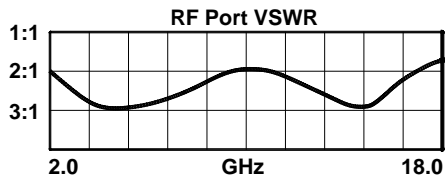
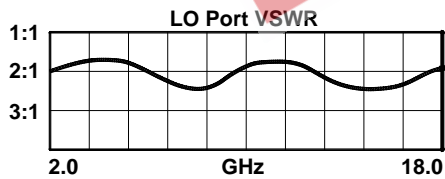
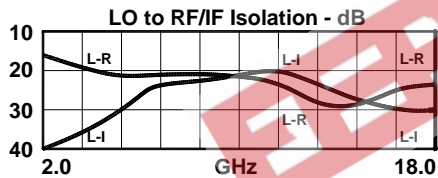
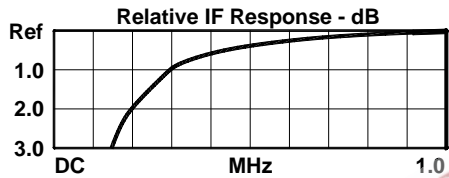
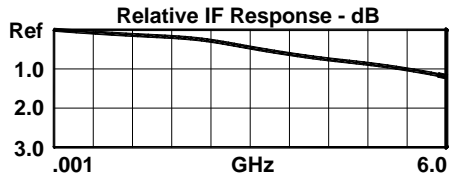
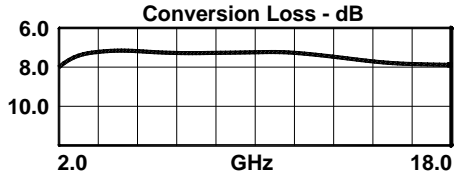
Marki Microwave reserves the right to make changes to the product(s) or information contained herein without notice. Marki Microwave makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Marki Microwave assume any liability whatsoever arising out of the use of or application of any product.

TRIPLE-BALANCED MIXERS
Page 2

M2-0218

LO/RF 2.0 to 18.0 GHz
IF .001 to 6.0 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](#) ▶
- [Terms & Conditions of Sale](#) ▶
- [Sales/Contact Information](#) ▶
- [View Entire Product Line](#) ▶

Marki Microwave reserves the right to make changes to the product(s) or information contained herein without notice. Marki Microwave makes no warranty, representation, or guarantee regarding the suitability of its products for any particular purpose, nor does Marki Microwave assume any liability whatsoever arising out of the use or application of any product.

© Marki Microwave, Inc.



215 Vineyard Court, Morgan Hill, CA 95037 | Ph: 408.778.4200 | Fax 408.778.4300 | info@markimicrowave.com

www.markimicrowave.com