



## DOUBLE-BALANCED MIXERS

M1R-0726



### Features

- ¾ LO/RF 7.0 to 26.5 GHz
- ¾ IF DC to 8.0 GHz
- ¾ 6.0 dB Typical Conversion Loss
- ¾ 38 dB Typical LO to RF Isolation
- ¾ Broadband RF and LO

### Electrical Specifications

Parameter	LO (GHz)	RF (GHz)	IF (GHz)	Min	Typ	Max	Diode Option LO drive level (dBm)
Conversion Loss (dB)	7.0-26.5	7.0-26.5	DC-3.0		6.0	8.0	
	7.0-26.5	7.0-26.5	3.0-8.0		7.0	9.0	
Isolation (dB)							
LO-RF	7.0-26.5	7.0-26.5		25	38		
LO-IF	7.0-26.5	7.0-26.5			25		
RF-IF	7.0-26.5	7.0-26.5			25		
Input 1 dB Compression (dBm)	7.0-26.5	7.0-26.5			+2 +5 +8		L (+8 to +11) M (+11 to +14) N (+14 to +17)
Input Two-Tone Third Order Intercept Point (dBm)	7.0-26.5	7.0-26.5			+12 +15 +18		L (+8 to +11) M (+11 to +14) N (+14 to +17)

### Part Number Options

Please specify diode level and package style by adding to model number.	
Package Style(s) <sup>1</sup>	Example
EQ, Q, R, S, Z	M1R-0726 <u>L</u> R

<sup>1</sup>Connectorized test fixtures available for most carrier and surface mount packages. Consult factory.

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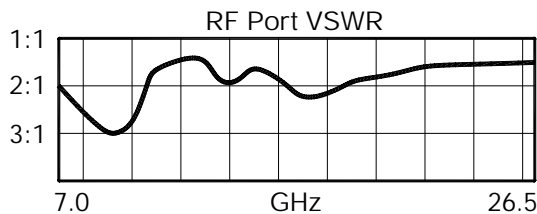
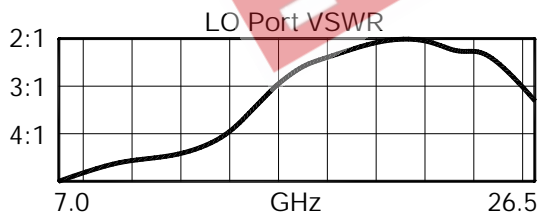
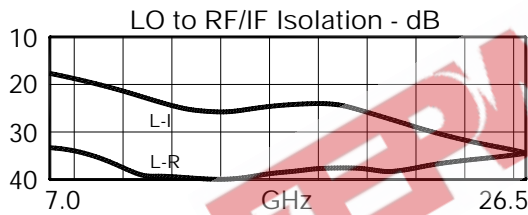
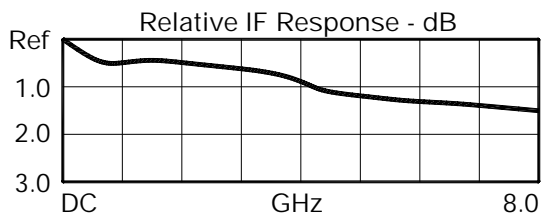
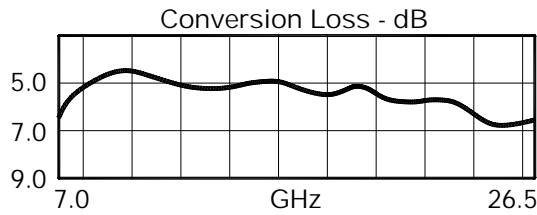
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rev 4

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M1R-0726

LO/RF 7.0 to 26.5 GHz  
IF DC to 8.0 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](#)
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