

UWMM-R3T10G

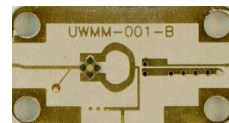
Ultra-wideband Double-balanced Mixer

Description

The UWMM-R3T10G is an ultra-wideband double-balanced mixer. This mixer utilizes our company's patented ultra-wideband balun, which enables low-cost implementation. This mixer operates for RF and LO frequencies from 3 to 10 GHz with low conversion loss.

Features

- ✓ Low cost
- ✓ LO/RF 3.0 to 10 GHz
- ✓ High IF: DC to 3 GHz
- ✓ 5 dB Typical Conversion Loss
- ✓ 27 dB minimum LO - RF Isolation
- ✓ Package options:
 - 01 Housing: 0.86" × 0.7" × 0.4"
 - 02 Carrier type
 - Carrier size: 0.6" × 0.32" × 0.04"



Carrier type

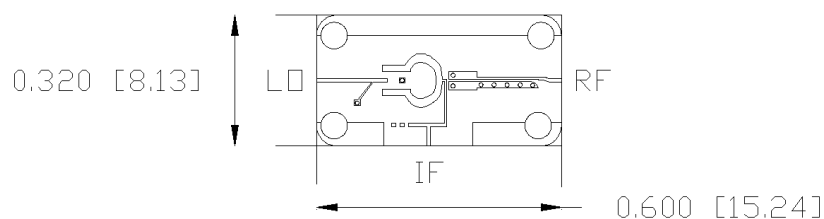


Housing type

Electrical Specifications

Parameter		LO (GHz)	RF (GHz)	IF (GHz)	Min	Typical	Max
Conversion Loss (dB)		3 ~ 10	3 ~ 10	DC ~ 1		5.5	
				1 ~ 2		5.5	
				2 ~ 3		6	
Isolation	LO to RF				27		
	IF to RF				20		
Input P1dB (LO = +13dBm)		3 ~ 10	3 ~ 10			4.5	

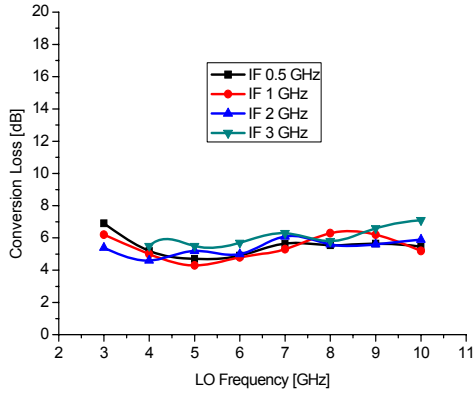
Dimension & Ports Description (for carrier type)



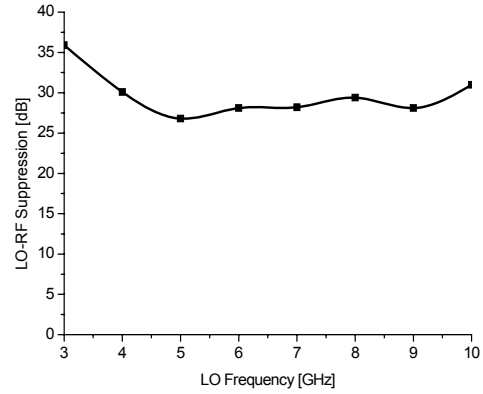
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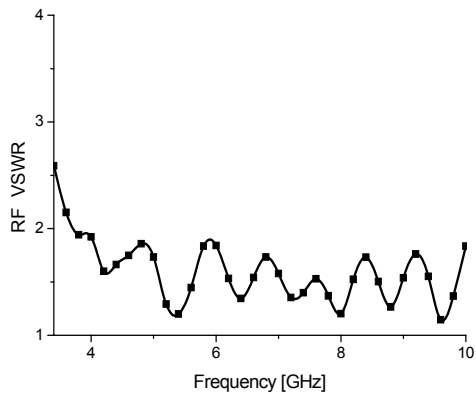
Conversion Loss



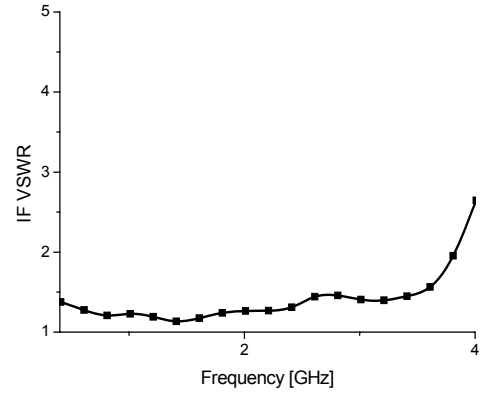
LO-RF Isolation



RF VSWR



IF VSWR



LO VSWR

