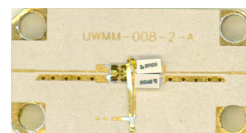


Description

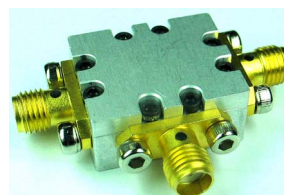
The UWMM-U3T29G is an ultra-wideband double-balanced mixer. This mixer utilizes our company's patented ultra-wideband balun, which enables low-cost implementation. This mixer operates for RF and LO frequencies from 3 to 29 GHz with low conversion loss.

Features

- ✓ Low cost
- ✓ LO/RF : 3.0 to 29 GHz
- ✓ IF: DC to 1 GHz
- ✓ 7 dB Typical Conversion Loss
- ✓ 27 dB 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

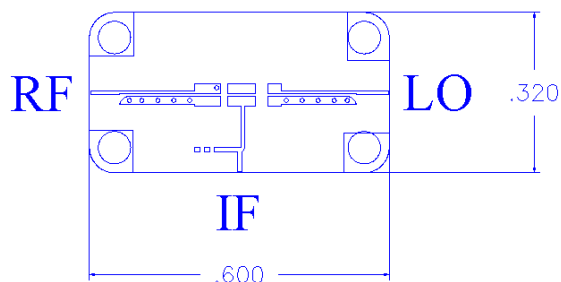


Housing type

Electrical Specifications

Parameter	LO (GHz)	RF (GHz)	IF (GHz)	Min	Typical	Max
Conversion Loss (dB)	3 ~ 29	3 ~ 29	DC ~ 1		7	
Isolation	LO to RF				27	
	IF to RF				20	
Input P1dB (LO = 10 dBm)	3 ~ 29	3 ~ 29			3	

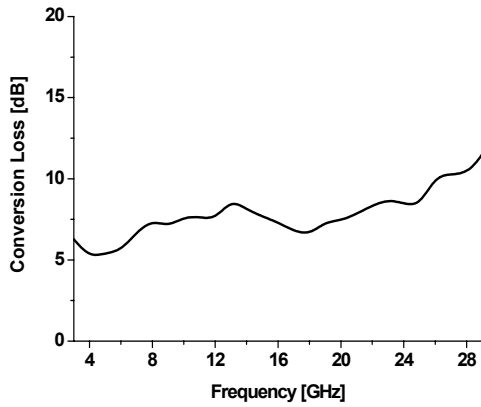
Dimension & Ports Description (for carrier type)



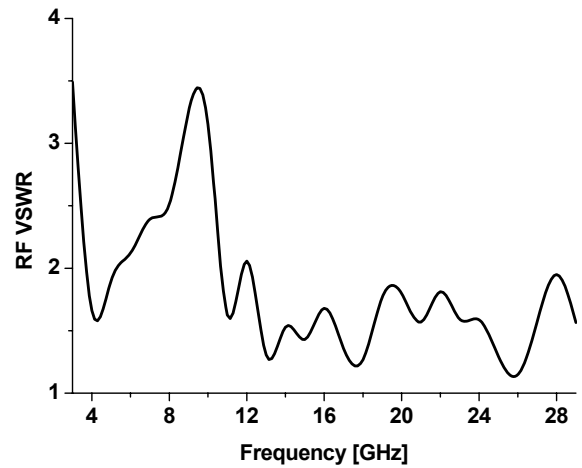
UWMM-U3T29G

Ultra-wideband Double-balanced Mixer

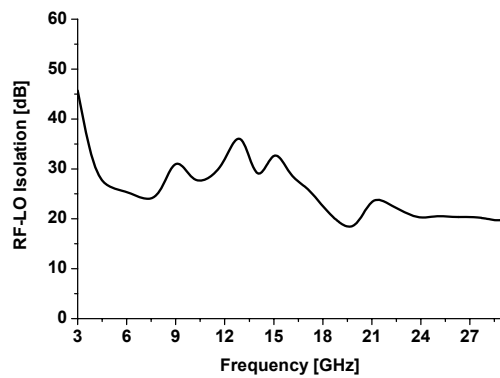
Conversion Loss



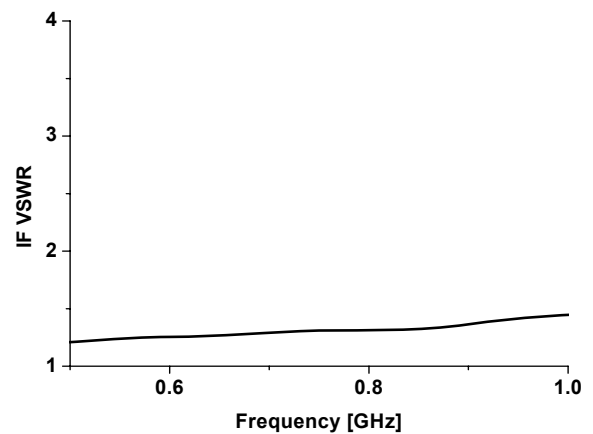
RF VSWR



RF-LO Isolation



IF VSWR



LO VSWR

