

UWMM-2T26G

Ultra-wideband Double-balanced Mixer



Description

The UWMM-2T26G is an ultra-wideband double-balanced mixer. This mixer utilizes a newly developed ultra-wideband balun, which enables low-cost implementation. This mixer operates with RF and LO frequencies from 2 to 26 GHz with low conversion loss and high LO-RF isolation.

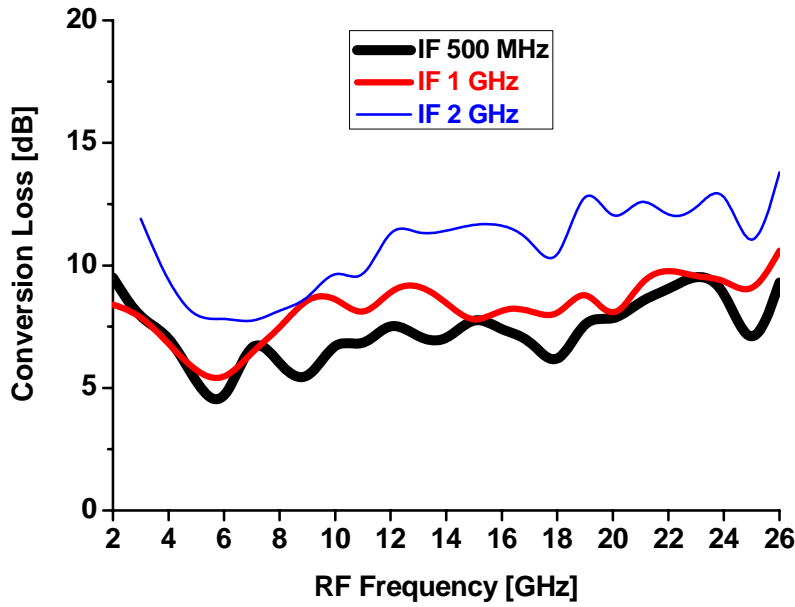
Features

- ✓ Low cost
- ✓ LO/RF 2.0 to 26 GHz
- ✓ IF DC to 2.5 GHz
- ✓ 7 dB Typical Conversion Loss
- ✓ 25 dB Typical LO - RF Isolation
- ✓ Uses super SMA Connectors
- ✓ Package options:
 - 01 Housing: 33 × 31 × 17 (mm)
 - 02 Carrier type

Electrical Specifications

| Parameter | LO (GHz) | RF (GHz) | IF (GHz) | Min | Typical | Max |
|------------------------------|----------|----------|----------|-------|---------|------|
| Conversion Loss (dB) | 2 ~ 26 | 2 ~ 26 | DC ~ 1 | | 6.5 | 9 |
| | | | 1 ~ 2 | | 8 | 10.5 |
| | | | 2 ~ 2.5 | | 11 | 13 |
| Isolation (dB) | | | | LO-RF | 20 | 25 |
| | | | | LO-IF | 15 | 25 |
| | | | | RF-IF | | 25 |
| Input 1 dB Compression (dBm) | 2 ~ 26 | 2 ~ 26 | | | 9 | |

Conversion Loss



Isolation

