

Description

Mi-Wave's 920 Series harmonic mixers down converts RF by using a lower harmonic number LO to an IF

Notes

Conversion loss will vary due to LO harmonic number, LO drive and IF frequency range. At lower LO drive levels a small amount of DC bias, typically 1 to 3 mA can be applied to the LO / IF port to lower conversion loss. Do not apply DC bias with LO drive levels above +12 dbm. *** Recommended for use with harmonic number less than 14*****

S/N: 395, 396

Electrical Specifications

| | Minimal | Typical | Maximum |
|--|---------|---------|---------|
| RF Frequency | 90 GHz | | 140 GHz |
| LO frequency range | 100 MHz | | 20 GHz |
| IF frequency Range (Depending upon diplexer configuration) | | TBD | |
| LO Power | | | +13 dBm |
| LO Plus RF Power Level | | | +13 dBm |
| Conversion Loss Depending upon LO drive and LO Freq. | | TBD | |
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Physical Specifications

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|---------------|------------------------------------|
| RF Port | WR-08 Waveguide, UG-387/U-M Flange |
| LO / IF Port | SMA(F) |
| Material Type | Brass |
| Finish | Gold Plated |
| Diplexer | NOT INCLUDED |
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Tested by: MS

Date: 2021-06-22

