

**Description**

Mi-Wave's 970 Series Upconverters have been designed to cover extremely wide RF bandwidths for EW/ELINT applications.

**Notes**

Conversion Loss higher for IF frequency above 8 GHz

S/N: NA

**Electrical Specifications**

|   | <b>Minimal</b> | <b>Typical</b> | <b>Maximum</b> |
|---|----------------|----------------|----------------|
| RF Frequency                            | 75 GHz         |                | 110 GHz        |
| LO Frequency                            | 75 GHz         |                | 110 GHz        |
| IF Frequency                            | DC             |                | 25 GHz         |
| LO Drive Level                          | 10 dBm         | 13 dBm         |                |
| RF to IF Conversion Loss                |                | 12 dB          |                |
| LO - RF Isolation                       |                | 28 dB          |                |
| Maximum LO + RF Input Power Level (dBm) |                |                | 17 dBm         |
|   |                |                |                |
|   |                |                |                |
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|   |                |                |                |
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|   |                |                |                |
|   |                |                |                |

**Physical Specifications**

|          |                                    |
|----------|------------------------------------|
| RF Port  | WR-10 Waveguide, UG-387/U-M Flange |
| LO Port  | WR-10 Waveguide, UG-387/U-M Flange |
| IF input | SMA(F)                             |
| Finish   | Gold Plated                        |
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Tested by: LS

Date: 2020-10-12

