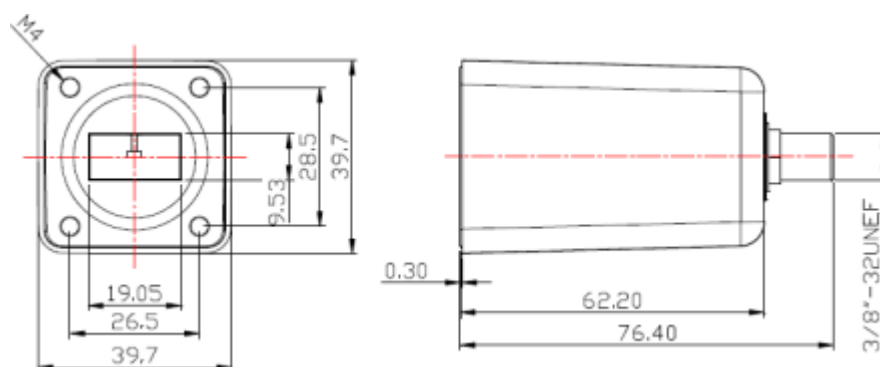




# Low Noise Block Converter, 10.70-12.75 GHz, L Band, N-Type Female Connectors, DRO



**Order Examples:** RLNB-Ku-L-Nf-DRO-v7

**Description:** (Low Noise Block Converter, RX 10.70-12.75GHz to L Band, N female connector, DRO version)

| Specifications                                  |                |       | Units     |
|-------------------------------------------------|----------------|-------|-----------|
| Input Frequency Range                           | 10.95 to 11.70 |       | GHz       |
| Output Frequency Range                          | 950 to 1700    |       | MHz       |
| Local Oscillator Frequency                      | 10             |       | GHz       |
| Input Waveguide Flange                          | WR-75          |       |           |
| Conversion Gain                                 | 50 - 60        |       | dB        |
| Gain Variation ( -40 ~ 60 °C )                  | ±3             |       | dB (max)  |
| Gain Flatness                                   | ±1 dB @54MHz   |       |           |
|                                                 | ±2 dB @750MHz  |       |           |
| Noise Figure                                    | 0.6 (typ)      |       | dB        |
|                                                 | 0.8 (max)      |       | dB        |
| Output Power<br>(at 1dB Gain Compression Point) | 0              |       | dBm (min) |
| L.O. Frequency Stability<br>(-40 to 60 °C)      | ±1             |       | MHz       |
| L.O. Phase Noise                                | (Typ)          | (Max) |           |
| ( 1 KHz Offset )                                | -65            | -60   | dBc/Hz    |
| ( 10 KHz Offset )                               | -90            | -80   | dBc/Hz    |
| ( 100 KHz Offset                                | -110           | -100  | dBc/Hz    |
| Output Return Loss                              | 7.5            |       | dB (Min)  |
| Output Connector                                | N-Typ, Female  |       |           |
| D.C Supply Voltage                              | 11.5 ~ 24      |       | V         |
| D.C Current Consumption                         | 100            |       | mA (max)  |
| Operating Temperature                           | -40 to +60     |       | °C        |

RLNB-Ku-L-Nf-DRO-v7

Specifications may be subject to change

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