

# RADITEK

## SATCOM

Ka Band LNB / DRO

### Low Noise Block, (LNB) Ka-Band to L-Band, F female, DRO



| Model | Input Frequency (GHz) | Output Frequency (MHz) | LO Frequency (GHz) |
|-------|-----------------------|------------------------|--------------------|
| A     | 18.0 ~ 18.65          | 950 ~ 1600             | 17.05              |
| B     | 18.127 ~ 18.777       | 950 ~ 1600             | 17.177             |
| C     | 18.2 ~ 18.85          | 950 ~ 1600             | 17.25              |
| D     | 19.2 ~ 19.85          | 950 ~ 1600             | 18.25              |
| E     | 20.2 ~ 20.85          | 950 ~ 1600             | 19.25              |
| F     | 20.2 ~ 21.85          | 950 ~ 1600             | 20.25              |

**Order Examples:** RLNB-Ka(19.2-19.85)-L-Ff-DRO-D-w13

**Description:** (LNB, Ka(19.2-19.85GHz) to L(950-1600MHz), F female IF output connector, DRO, D Model)

| Specifications             |               | Units        |
|----------------------------|---------------|--------------|
| Noise figure (@+25°C       | 1.6 to-2.0    | dB           |
| Input VSWR                 | 3.0:1         | typ          |
| Image rejection            | 40            | dBc min.     |
| Conversion gain            | 55            | dB typ       |
| Output VSWR                | 2:1 max       | dBc/Hz       |
| Gain flatness              | 6             | dB pk-pk max |
| Gain ripple(@per channel)  | +/-0.75       | dB max       |
| 1dB gain compression point | 0             | dBm max      |
| Output impedance           | 75            | ohm          |
| Leakage (@ input port)     | -60           | dBm max      |
| L.O Stability (over temp)  | +/-2.0        | MHz          |
| Phase noise @10KHz         | -75           | dBc/Hz       |
| Power Supply               | +12 to+24     | V dc         |
| Required current           | 150           | ma max       |
| Operating temperature      | -30 ~60       | °C           |
| Storage temperature        | -40~80        | °C           |
| Relative humidity          | 0% to 95%     | RH           |
| Input waveguide flange     | WR-42         |              |
| IF output connector        | F-type female |              |
| Weight                     | 162           | g            |

RLNB-Ka-L-Ff-DRO-w13

Specifications may be subject to change

02/17/15

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