



# Full C-Band Ext. Reference PLL LNB

**AL6X / AL6XN**

## KEY FEATURES

- ◆ Input frequency 4.5 - 4.8 GHz
- ◆ L.O. - 5.75 GHz
- ◆ Output frequency 950 - 2350 MHz
- ◆ N / F connector options (50/75 ohms)
- ◆ RoHS compliant
- ◆ Three year warranty



| Model | RF Frequency      | IF Frequency   | L.O.     |
|-------|-------------------|----------------|----------|
| AL6X  | 4.500 - 4.800 GHz | 950 - 2350 MHz | 5.75 GHz |

## Specifications

|                       |                          |                     |               |
|-----------------------|--------------------------|---------------------|---------------|
| Conversion gain       | 65 dB typ.               | Gain flatness       | 8 dB p-p max. |
| Input VSWR            | 2.5 : 1 typ.             | Output VSWR         | 2.5 : 1 typ.  |
| IF connector          | "F" or "N" - type female | IF impedance        | 75 or 50 ohms |
| RF interface          | WR - 229 Grooved         | Leakage             | -45 dBm max.  |
| Phase noise           | Ext. ref. dependent      | Noise figure        | 0.8 dB max.   |
| L.O. stability        | Ext. ref. dependent      | Ext. ref. frequency | 10 MHz        |
| Ext. ref. input       | IF output connector      | Ext. ref. level     | -5 to +5 dBm  |
| Power supply          | +12 - +24 VDC            | Current             | 250 mA max.   |
| Operating temperature | -40C - +60C              | Storage temperature | -40C - + 80C  |
| Dimensions (mm)       | 179.5 x 98.8 x 70        | Weight (g)          | 575           |

## Mechanical Drawing

