



Actox Full C-Band (3.4 - 4.8 GHz) PLL LNB

KEY FEATURES

- ◆ L.O. 5.75 GHz
- ◆ +/- 5, 10 or 25KHz Stability or External Reference
- ◆ Smallest package size and weight
- ◆ RoHS compliant
- ◆ Three year warranty

ALF3448(X)/N



Specifications

| | | | |
|---------------------------------|-----------------------------------|-------------------------------------|---|
| Input Frequency | 3.4 - 4.8 GHz | Output Frequency | 950 - 2350 MHz |
| Local oscillator | 5.75 GHz | Gain flatness | 6 dBp-p max. |
| Conversion gain | 65 dB typ.(55 dB min. 65 dB max.) | Gain ripple at per 36MHz | 1 dBp-p max. |
| Input VSWR | 2.5 : 1 max. | Output VSWR | 2.5 : 1 max. |
| IF connector | "F" or "N" - type female | L.O. stability | Internal : ±5, 10, 25 KHz max. External : depends on ext. ref. |
| RF interface | WR-229 G | | |
| Phase noise | -73 dBc/Hz @1KHz | Ext. input freq. & power | 10 MHz, -5 to +5 dBm |
| | -83 dBc/Hz @10KHz | Ext. input port | IF output connector |
| | -95 dBc/Hz @100KHz | Image rejection | 40 dBc min. |
| Power supply | +12 - +24V DC | Noise temperature | 30'K typ. 35'K max. |
| Operating temperature | -40C - +60C | Storage temperature | -40C - +80C |
| IP rating | IP67 | Current | 250 mA max. |
| Dimensions & housing | 98.8 x 70.0 x 164.5 mm. | Output P1dB | +5 dBm min. |
| | 3.88" x 2.75" x 6.47" | Weight | 575 g. (1.26 lbs) |

Mechanical Drawing

