



+/-500KHz Stability Ku-Band PLL LNB

ALP10500 / ALP20500 / ALP30500
ALP10500N / ALP20500N / ALP30500N

KEY FEATURES

- ◆ +/- 500 KHz stability
- ◆ Smallest package size and weight
- ◆ RoHS compliant
- ◆ Three year warranty



| Model | RF Frequency | IF Frequency | L.O. |
|----------|-------------------|----------------|-----------|
| ALP10500 | 10.95 - 11.7 GHz | 950 - 1700MHz | 10.00 GHz |
| ALP20500 | 11.7 - 12.2 GHz | 950 - 1450 MHz | 10.75 GHz |
| ALP30500 | 12.25 - 12.75 GHz | 950 - 1450 MHz | 11.30 GHz |

Specifications

| | | | |
|--------------------|--------------------|-----------------|---------------|
| Conversion gain | 60 dB typ. | Gain flatness | 3 dB p-p max. |
| Input VSWR | 2.5 : 1 typ. | Output VSWR | 2.5 : 1 typ. |
| IF connector | "F" or "N" type | IF impedance | 75 or 50 ohms |
| RF interface | WR - 75 Grooved | Image Rejection | 40 dBc min. |
| Phase noise | -60 dBc/Hz @1KHz | Noise Figure | 0.8 dB max. |
| | -75 dBc/Hz @10KHz | Power supply | +15 - +24 VDC |
| | -88 dBc/Hz @100KHz | Current | 150 mA max. |
| Output P1dB @ 1GHz | +0 dBm min. | Operating temp. | -40C - + 60C |
| Dimensions (mm) | 101.8 x 44.6x 42 | Weight (g) | 190 |

Mechanical Drawing

