

140194

High Stability & Phase Locked Extended C-Band PLL LNB

FEATURES

- California Amplifier PLL LNB
- ± 12 KHz Stability
- 20° Noise Temperature
- Gain 63 dB Typical



SPECIFICATIONS

| | |
|----------------------------------|------------------------------|
| Input Frequency | 3.4 to 4.2 GHz |
| Output Frequency | 950 - 1750 MHz |
| Noise Temperature | 20°K to 35°K @ 25°C |
| Gain | 63 dB Typical, 60 dB Min |
| Gain Flatness | ± 2.0 dB Max |
| Image Rejection | 55 dBc Min |
| Output | VSWR2.0:1 Typical, 75 ohm |
| 1-dB Compression Point | +10 dBm Min |
| 3rd Order Intercept Point | +20 dBm Min |
| LO Frequency Stability | 5.15 GHz, ± 2.3 ppm Max. |
| Phase Noise | -69 dBc/Hz @ 100 Hz |
| | -85 dBc/Hz @ 1 KHz |
| | -88 dBc/Hz @ 10 KHz |
| | -92 dBc/Hz @ 100 KHz |
| | -105 dBc/Hz @ 1 MHz |
| DC Input | +15 to +24 VDC |
| Current | 275 mA Typ, 300 mA Max |
| Operating Temperature | -40°C to +60°C |
| Input Interface | Flange, WR 229G |
| Output Interface | 75 Ohm, Type "F" Female |
| Finish | Powder Coat |
| Physical Size | 3.86 x 3.0 x 7.0 in |
| Weight | 20 oz |