



Blue Tops RF Modules > Amplifiers > Low Noise Distribution Amplifier LNDA

Features:

- Ultra Low Phase Noise
- 5 and 10 MHz Standard
- Eight Isolated Outputs
- Outputs to +16 dBm
- Integral Voltage Regulator

Applications:

- Frequency Standard Distribution
- Ultra Low Noise Signal Distribution

The LNDA is a high-performance frequency distribution amplifier providing eight isolated outputs. Featuring a noise floor of -178 dBc and low phase noise of -150 dBc at 10 Hz offset, the LNDA is suitable for use with most low noise frequency sources. An internal low noise voltage regulator gives excellent line rejection. The LNDA operates on +15 VDC and consumes a maximum of 250 mA. Custom connector sex allows for direct connection with other Blue Tops, saving the cost of a cable. Consult the factory for an optional 50 ohm output impedance, different conversion gain, signal level or custom features.



| Typical Specifications: | |
|------------------------------------|---------------------|
| Frequency | 5 and 10 MHz |
| Signal Level | +10 to +13 dBm |
| Conversion Gain | |
| Standard (Low Output Impedance) | +3 ±1.5 dB |
| Optional (50 Ohm Output Impedance) | 0 ±1.5 dB |
| Phase Noise (5 MHz, +13 dBm) | |
| 10 Hz | -150 dBc/Hz |
| Noise Floor | -178 dBc/Hz |
| Harmonics | <-30 dBc |
| Input VSWR | <2.0:1 |
| Port-to-Port Isolation | >50 dB |
| Supply Voltage | +15 VDC |
| Current, Max | 250 mA |
| Dimensions | 4 x 3 x 0.8" |
| Connectors | |
| Power | Feed-thru Capacitor |
| Ground | Turret Terminal |
| RF Input / Output | Female SMA |

