



## Military and Space > Vibration Environment > Airborne VHF Frequency Doubler

### Features:

- 60 to 260 MHz
- Ultra Low Phase Noise
- Rigged Mounting Provisions

### Applications:

- Airborne
- Radar
- Tactical Radio
- Vehicular Communication



The Airborne VHF Frequency Doubler is an airborne version of the LNVD, which incorporates a rigged mounted board via .030" pins for the best phase noise performance under vibration. The unit also has provisions to be mounted via four 4-40 screws. This part is ideal for environments of high vibration including airborne, vehicular communication, and radar applications.

| Typical Specifications: | Outputs To 260 GHz                                      |
|-------------------------|---|
| Input Frequency         | To 130 MHz  |
| RF Input Power          | +12 to +15 dBm  |
| Input Impedance         | 50 ohms   |
| Input VSWR              | 1.5:1   |
| RF Output Power         | +12 to +15 dBm  |
| Output Impedance        | 50 ohms   |
| Phase Noise Degradation | <8dB over 1Hz to 10 MHz                                 |
| Output VSWR             | 1.5:1   |
| Harmonics               | <-30 dBc  |
| Sub-Harmonics           | <-45 dBc  |
| Supply Voltage          | +15 VDC   |
| Power Max.              | <2 W  |
| Packaging               | Hermetically Sealed Steel Can Impervious to gross leaks |
| Dimensions              | 2.05 x 1.50 x 0.5"                                      |
| Connectors              | Solder Pins on Base                                     |
| Mounting                | Four 4-40 threaded inserts                              |
| Weight                  | <5 oz.  |
| Operating Temp. Range   | -54 to +80 °C   |

