

## Low Elevation Nulling Antenna *LENA*

**Antenna Elements:** Dual-band L1/L2 operation; L1 gain of +5.0 dBic at zenith, -12 dBic at horizon in nominal state

**Electronics:** 3 dB noise figure; 30 dB electronic gain

**Switching:** Set the NULL switch to 'AUTO' and jammer power is monitored. If a threshold is reached, the LENA automatically sets itself into its null state. Set the NULL switch to 'ON' and the LENA is always set in its null state regardless of the detected jammer power.

**DC Bias:** Linearly regulated, 3.3 - 15V input through the TNC connector

**Environmental:** MIL-STD-160G qualification for vibration, temperature, altitude, water immersion, shock, and transit drop

**Dimensions:** Height = 6.8"; Base diameter = 3.13"

**Measurements:** Elevation and azimuth patterns ( $\theta=90^\circ$ ) at 1.575 GHz on 3-foot ground plane

