

# GPS L1 and GPS L1/L2 Antennas Designed for Military Applications

## Specifications

Frequency Range (L1 Only)	1530-1580 MHz
	1530-1580 & 1220-1230 MHz (Dual L1/L2)
Gain of Antenna Element	> 6dBi @ Azimuth > -10dBic @ 5 Degree Elevation
Polarisation	RHCP (Right Hand Circular)
Input Impedance	50 Ohms
Azimuth Coverage	360 Degrees
Elevation Coverage	5-90 Degrees
Filtering	> 70dB @ FO +/-50 MHz for L2 > 70dB @ FO +/-100 MHz for L1
LNA Gain	50dB Typical – Standard Product
Input Return Loss	20dB Typical
Noise Figure of LNA	< 0.7dB (0.5dB typical) @ 20C < 1.0dB @ 50C
RF Input Blocking	> 20dBm @ FO +/- 100 MHz
DC Supply	5 to 15 Volts
Power Consumption	90mA Typical
RF Connector	N Female Socket 50 Ohms
Operating Temperature	-40 to +85C
Storage Temperature	-50 to +90C
Humidity	< 95% Non Condensing
Size (max)	180mm Diameter, Height 40mm (excluding connector)
Weight	600 Grams excluding pole mount



# PART NUMBER OPTIONS

