

# Antenna Specifications

## Stellar Part# AT300- 5

### VHF Electrical Specification:

Frequency Range:	137-150 MHz
Gain:	2.0 dBi
Maximum Power VSWR:	200 watts
VSWR:	<1.5:1 for 4 MHz
Input Impedance:	50 ohms



### VHF Mechanical Specifications:

Radiator:	Over molded custom portable antenna
Whip Length:	6 inches plus base 1-1/2 inches
Housing:	Molded ABS
Mounting:	Magnetic mount
Cable Length/ Type:	15 feet/ RG58A/U

### GPS Specifications

Frequency Range:	1,575.42 ± 2 MHz
Polarization:	Right Hand Circular Polarized (RHCP)
Gain:	3dBi min (elevation = 90°) -5dBi min (elevation = 20°)

### GPS Low Noise Amplifier

VSWR:	<1.5:1
Bandwidth:	2 MHz
Nominal Gain:	26( ± 3) dB
Output Impedance:	50 Ohms
Noise Figure:	1.5dB @25°C
Current Consumption:	15mA max
Cable length/Type:	15 ft/ RG174
Temperature Range:	-67°F to +185°F (-55°C to +85°)