

**Stellar Part# AT300-1**

- Antenna - ½ Wave
- VHF/GPS
- Connectors - FAKRA
- Mounting Surface - Non Metallic Ground Plan
- Mount Description - L Bracket Mirror Mount Kit
- Mfg and Warranted by Antenex, Inc.

**Electrical Specification VHF:**

Frequency Range	137-150 MHz
Gain	2.4 dBi
Maximum Power VSWR	200 watts
VSWR	<1.5: 1 for 4MHz
Input Impedance	50 ohms

**Mechanical Specifications:**

Radiator	17-7ph tapered stainless steel
Whip Length	55 inches
Contact	Gold plated push pin contact
Brass Fitting	Copper, nickel and chrome plated
Coil Form	3 dimensional grooved delrin
Coil Housing	Injected molded
Mounting	Mirror mount bracket or 3 /4 or 3 /8 inch hole NMO mount
Quality Assurance	100% tested on a network analyzer
Cable	17 feet RG58A/U

**Active GPS (RX Only)**

Frequency Range	1,575.42 ± 2 MHz
Polarization	Right Hand Circularly Polarized (RHCP)
Gain	+3dBi min (elevation = 90°) -5dBi min (elevation = 20°)
Axial Ratio	4.0 dB max (elevation = 90°) 6.0 dB max (elevation = 10°)

**Built-in LNA**

VSWR	<1.5:1
Bandwidth	2 MHz
Nominal Gain	(26 ± 3) dB
Output Impedance	50 ohms
Noise Figure	1.5dB @25°C
Power Supply	3 to 5 Vdc
Current Consumption	15mA max
Power Handling	1W max
ESD	±15KV
Cable	17 ft of RG174
Temperature	-67°F to +185°F (-55°C to +85°)