

Stellar Part# AT300-2

- Antenna - 1/4 Wave
- VHF/GPS
- Connectors - FAKRA
- Mounting Surface - Metallic Ground Plane
- Mount Description - Vehicle Roof Mount Kit
- Mfg and Warranted by Antenex, Inc.

**Electrical Specification:**

Frequency Range	137-150 MHz
Gain	2.0 dBi
Maximum Power	200 watts
VSWR	<2.0:1 for 13 MHz
Input Impedance	50 ohms

Mechanical Specifications:

Radiator	17-7 ph tempered stainless steel
Whip Length	19 inches plus spring 2-1/2 inches
Housing	Molded ABS
Mounting	Threaded stud mount 5/8 inch diameter by 0.4 inches long
Quality Assurance	100% tested on a network analyzer
Cable	14 feet RG58A/

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	14 ft of RG174
Temperature	-67°F to +185°F (-55°C to +85°)