



GPS ANTENNA

The content of this specification may change without notification 5/01/09



GPS Vehicle Antenna

P/N: JTXGPS-CZ-2702

Antenna Specifications

Center Frequency	1575.42MHz ± 3 MHz
VS	1.5:1
Band Width	± 5 MHz
Attenuation	fo ± 100MHz > 30dB
Impedance	50 ohm
Peak Gain	>3dBic Based on 7 - 7cm ground plane
Gain Coverage	>-4dBic at -90°<0<+90° (over 75% Volume)
Polarization	RHCP



LNA Specifications

LNA Gain (Without cable)	27dB	Typical
Noise Figure	1.5dB	
VSWR	< 2.0	
DC Voltage	Voltage:3V or 3.3V or 5V DC, customized voltage available	
DC Current	15mA Max.	

Mechanical Specifications

Weight	< 100 gram
Size	50 - 39 - 16mm
Cable	RG174 3m or 5m or customized
Connector	TNC/BNC/SMA/MCX or customized
Mounting	Magnetic base
Housing	Black

Environmental Specification

Working Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +100°C
Vibration	Sine sweep 1g(0-p) 10~50~10Hz each axis
Humidity	95%~100% RH
Weatherproof	100% Waterproof
MTBF=1x10-6/pc.hr	40°C ± 5°C DC=3.0V±0.5V Qty: 2000pcs Time: 480h

Custom Designs Available. For current data sheets, please contact: sales@aacix.com