



Beamer GPS

Model CX-64

- Mini magnet GPS antenna
- Diminutive in size
- Ultra high sensitivity
- Full weather proof application
- Compatible with most GPS receivers
- Excellent coverage performance despite its small physical size
- Low noise amplifier

Physical Construction	
Construction:	Polycarbonate radome on metal base
Dimension:	33.95mm(L) x 25.20mm(W) x 10.60mm(H)
Weight:	30 grams (excluding cable & connector)
Color of Radome:	Dark grey, other colors available upon request
Standard Mounting:	Magnet or screw mount

Low Noise Amplifier	
Center Frequency:	1575.42 MHz +/- 1.023 MHz
Gain:	27 dB typical
Bandwidth:	2 MHz min.
Noise Figure:	1.5 max.
Out Band Attenuation:	20 dB min. @FO +/- 50MHz
Supply Voltage:	2.5~5V DC
Current Consumption:	12 mA +/- 1 mA
VSWR:	1.5 max.
Output Impedance:	50 ohm

Antenna Element	
Center Frequency:	1575.42MHz +/- 1.023MHz
Polarization:	R.H.C.P (Right Hand Circular Polarization)
Absolute Gain at Zenith:	+5 dBi typical
Gain at 10°Elevation:	-1 dBi typical
Axial Ratio:	3dB max.
Output VSWR:	1.5 max.
Output Impedance:	50 ohm

Overall Performance	
Center Frequency:	1575.42 MHz
Gain:	26 dB min.
Noise Figure:	2.0 max.
Bandwidth:	2 MHz min.
Axial Ratio:	3 dB max.
VSWR:	1.5 max.
Output Impedance:	50 ohm

Environmental	
Operating Temperature:	-30°C ~ + 85°C
Storage Temperature:	-40°C ~ + 90°C
Relative Humidity:	95% non-condensing
Waterproof:	100% waterproof

Cable & Connector	
RF Cable:	3 meter RG174/U (standard), other length available
Pulling Strength:	6 KG/5 sec. with molded plastics on connector end for strain relief
Connector Available:	BNC, TNC, FME, SMA or as requested