



Beamer GPS Model CX-66

- **Ideal all purpose magnetic GPS antenna**
- **Unparalleled performance with excellent signal amplification**
- **Ultra high sensitivity**
- **Excellent temperature stability**
- **Compact, rugged & fully waterproof**
- **Powerful magnetic suction**

Physical Construction	
Construction:	Polycarbonate-radome at top, die-cast shell at bottom/ rubber gasket for water seal in between
Dimension:	58mm (L) x 48mm(W) x 15mm(H)
Weight:	65 grams (excluding cable & connector)
Color of Radome:	Standard in dark grey, other colors available upon request
Standard Mounting:	Magnet mount with two magnets
Optional Mounting:	Screw mount with two M3 tapped holes on the plastic flange

Overall Performance	
Center Frequency:	1575.42 MHz
Gain:	30 dB min.
Noise Figure:	2.0 max.
Bandwidth:	2 MHz
Axial Ratio:	3 dB max.
VSWR:	2.0 max.
Output Impedance:	50 ohm

Antenna Element	
Center Frequency:	1575.42 MHz +/- 1.023 MHz
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

Low Noise Amplifier	
Center Frequency:	1575.42 MHz +/- 1.023 MHz
Gain:	30 dB typical
Band Width:	2 MHz min.
Noise Figure:	1.5 max.
Out Band Attenuation:	20 dB min. @FO +/- 50MHz
Supply Voltage:	4.5~5.5V DC
Current Consumption:	28 mA +/- 3 mA
VSWR:	2.0 max.
Output Impedance:	50 ohm

Cable & Connector	
RF Cable:	5 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

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