

GPS ACTIVE ANTENNAS

GC215



Dimension: 42(L) x 36(W) x 13(H) mm
1.65(L) x 1.42(W) x 0.51 (H) Inch

I Patch Antenna Specification

Center Frequency	1575.42MHz \pm 3 MHz
V.S.W.R	1.5:1
Band Width	\pm 5 MHz
Attenuation	Center Frequency \pm 100MHz > 30dB
Impedence	50 ohm
Peak Gain	> 3dBic Based on 7 x 7cm ground plane
Gain Coverage	> -4dBic at $-90^\circ < 0 < +90^\circ$ (over 75% Volume)
Polarization	RHCP

II LNA Specification

LNA Gain (Without cable)	26dB Typical
Noise Figure	1.5dB
V.S.W.R	< 2.0
DC Voltage	3.3V \pm 0.5V
DC current	12 MA Max

III Mechanical Specification

Weight	< 50 gram
Cable	RG174 5 meters long
Connector	SMA male straight
Mounting	Magnetic base
Housing	Black

V Environmental Specification

Working Temp	-40 ~+85
Storage Temp	-40 ~+100
Vibration	Sine sweep 1g(0-p) 10~50~10Hz each axis
Humidity	95%~100%RH
Waterproof	100%Waterproof