

Outdoor GPS/GLONASS Antenna

MODEL: GA-68G-N(M)



Specifications:

PHYSICAL CONDITION	
Constructions:	ASA-UV + Zinc alloy
Dimensions:	60mm(Dia.) x 132.8mm(H)
Weight:	65grams (w/o cable & connector).
Color:	Standard in ivory white, other colours available upon request.
Connector	N(M)
Antenna Element	
Center Frequency:	1575Mhz & 1596-1602 MHz
Polarization:	R.H.C.P. (Right Handed Circular Polarization).
Absolute Gain @ Zenith:	+5 dBi typical.
Gain @ 10° Elevation:	2 dBi typical.
Axial Ratio:	3 dB max.
Output VSWR:	1.5 max
Output Impedance:	50 ohm
Low Noise Amplifier	
Center Frequency:	1570Mhz & 1610 MHz
Power Gain:	1570 Mhz : 29db typ 1610 Mhz : 29db typ
Bandwidth:	2 MHz min.
Noise Figure:	1.5 typ.
Outer Band Attenuation:	20 dB min. @ Fo +/-50 Mhz.
Supply Voltages:	2.5~5.5V DC.
Current Consumption:	2.5V : 6.6mA Typ. 3V: 8.6mA Typ. 4V: 12.6mA Typ.

	5V: 16.6mA Typ.
Output Impedance:	50 ohm
Overall Performance: (antenna element, LNA & coax cable)	
Center Frequency:	1575Mhz & 1596-1602 MHz
Gain:	At 90° vertical to sky 30 ± 4.5dBi (cable loss) Note:1 Mounted on the 60mm x 60mm square ground plane
Noise Figure:	2.0 max.
Axial Ratio:	3 dB max.
Bandwidth:	2MHz min.
VSWR:	2.0 max.
Output Impedance:	50 ohm
Environmental	
Operating Temperature:	-40°C~ +80°C.
Storage Temperature:	-40°C~ +80°C.
Relative Humidity:	95% non-condensing.
Water Resistance:	100% waterproof.IPX7

* This specification is subject to change without prior notice

Data Updated: Dec.17, 2018

