

EXTERNAL Antenna GPS Antenna for 1555.5~1595.5 MHz

SOCAA

GS2-18-C

Electrical Specification

Center Frequency	1555.5~1595.5 MHz
Bandwidth (min.)	9MHz
Operating Temperature	-40°C ~ + 85°C
Storage Temperature	-50°C ~ + 120°C
Relative Humidity	0% ~ 100%
Weight	90 g
Size	L×W×H=43×33×13.3 mm
Water Resistance	100% water proof
Skin Color	Black
Fixture	Fixed magnet at bottom
Output Connector	SMA plug

Antenna + Pre-amplifier

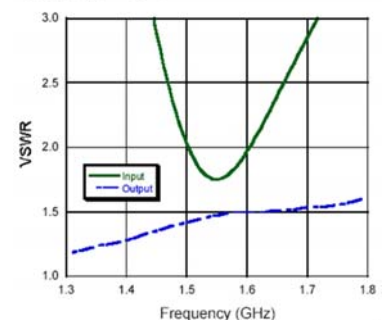
System Gain Without Cable Loss	20dBi at 90° Zenith (min.)
Output VSWR (max.)	2(max.)
Impedance	50ohm
Cable Loss RG-174/3,5,10meters	4dB@3m 7dB@5m 14dB@10m

Pre-amplifier

Gain	27dB ± 1dB
VSWR (max.)	2
Noise Figure (min.)	1.15dB
Impedance (typ.)	50ohm
Input Voltage	3V ~ 5V
Current Consumption (typ.)	18mA@3V, 19mA@5V



VSWR, $T_A = +25^\circ\text{C}$



Gain, $T_A = +25^\circ\text{C}$

