

Technical Data for  
**GPS / GLONASS**  
Active Antenna  
**Model: RT-O-GPS-SCX2**



## Electrical Characteristics

### GPS/GLONASS Antenna

Item	Specifications
Center Frequency	1575.42 ± 3MHz
Band Width	CF ± 5MHz
Polarization	RHCP
Gain	2dBic (Zenith)
V.S.W.R	<1.5
Impedance	50 Ω

### LNA/Filter

Item	Specifications	Post Environmental Tolerance
LNA Gain	28 ± 2 dB	± 1.5 dB
Noise Figure	<1.5 dB	-
Filter Insertion Loss	<3 dB	-
Ex-band Attenuation	12dB@CF+50MHz/16dB@CF+50MHz	
DC Voltage	2.2 ~5 V	
DC Current	5 ~15 mA	
V.S.W.R	<2.0	

## Mechanical Specifications

Item	Specifications
Cable	RG174 2 m
Connector	SMA male
Plastic Housing	Black
Mounting	Adhesive
Weight	0.08 kg

## Environmental Specifications

Item	Specifications
Vibration	10 to 55Hz 1.5mm amplitude 2 hours
Relative Humidity Range	Up to 95 %
Operating Temperature Range	-40 °C ~ +85 °C
Ingress Protection	IP66

**Dimensions (Unit : mm)**

