

# Antenna 163027



## GPS antenna



### Specification

#### Antenna

Center Frequency:	1575.42±1 MHz
Band Width:	CF±5 MHz
Polarization:	RHCP
Gain:	2 dBi
V.S.W.R:	<1.5
Impedance:	50 Ω
Axial Ratio:	3 dB (max)
Dimension:	35.5 x 45.5 x 14.5 mm

#### LNA

Gain:	28±2 dB
Noise Figure:	<1.5
Filter Insertion Loss:	<3 dB
Ex-band Attenuation:	12dB@CF+50MHz/16dB@CF-50MHz
Supply Voltage:	2.2-5 V DC
Current Consumption:	5-15 mA
V.S.W.R:	<2.0

#### Mechanical

Cable:	3 m RG174
Connector:	SMA (male)
Radome Material:	ABS
Mounting Method:	Adhesive / Magnet (optional)

#### Environmental

Operating Temperature:	-40°C to +85°C
Relative Humidity:	Up to 95%
Ingress Protection:	IP67
Vibration:	10 to 55 Hz with 1.5 mm amplitude 2hours
Environmentally Friendly:	ROHS Compliant

