

# MC0114510 GPS/GLONASS antenna

**1575.42 MHz**

**GPS**



## Antenna

|                   |                   |
|-------------------|-------------------|
| Center Frequency: | 1575.42±1MHz      |
| Band Width:       | CF±5MHz           |
| Polarization:     | RHCP              |
| Gain:             | 5 dBic (Zenith)   |
| V.S.W.R:          | <1.5              |
| Impedance:        | 50Ω               |
| Axial Ratio:      | 3 dB (max)        |
| Dimension:        | 35.5x45.5x14.5 mm |

## LNA

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

## Mechanical

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

## Environmental

|                           |  |
|---------------------------|--|
| Operating Temperature:    | -40°C to +85°C                         |
| Relative Humidity:        | Up to 95%                              |
| Ingress Protection:       | IP65-IP67                              |
| Vibration:                | 10 to 55Hz with 1.5mm amplitude 2hours |
| Environmentally Friendly: | ROHS Compliant                         |

