

BC-Kit-GPS05

GPS antenna specifications

Patch Antenna Characteristics

Frequency.....1575 ± 3MHz
 VSWR.....Max.2
 Bandwidth.....Min. 10MHz
 Impedance.....50 Ohm
 Peak Gain.....Min.4 dBic
(over 7 x 7 cm ground plane)
 Gain Coverage.....≥ -4dBic
At -90° ≤ θ ≤ +90°
(over 75% volume)
 Power Handling.....1 Watt
 Polarization.....RHCP
Right-Handed Circular Polarization

Amplifier Characteristics

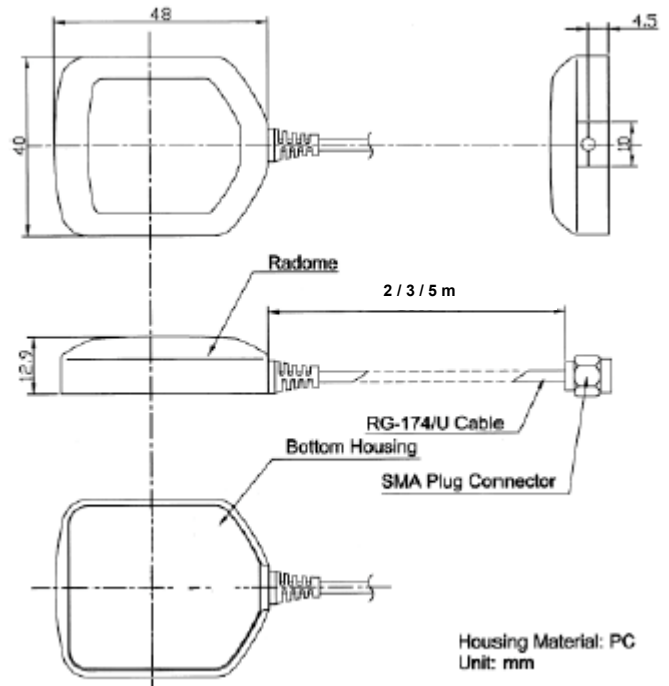
Gain without cable.....Typ. 27 dB
 Noise Figure.....Max.1.5 dB
 Output VWSR.....Max. 2.0
 Filtering.....-30dB (± 100Mhz)
 DC Voltage.....3 – 5V
 DC Current.....Max. 22mA

Environmental Data

Operating Temperature.....-40°C to 85°C
 Storage Temperature.....-40°C to 125°C
 Humidity.....95% ~ 100% RH
 (suitable for car roof use during rainy weather)
 Sealing Class.....EN60529 IP54
 Vibration.....Sine Sweep 1G (0-Peak)
10-150-10Hz each axis

Mechanical Data

Weight.....≤ 105 g
 Size.....48 x 40 x 13 mm
 Cable.....2m RG 174 standard
 Connector.....SMA
 Mounting.....Magnetic base
 Housing Color.....Black



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