

BY-GPS-GSM-05

Dual GSM/GPS Disc Antenna



Product Specifications

Dielectric Antenna

Center Frequency: 1575.42±3MHz

VSWR: 1.5:1

Bandwidth: ±5MHz

Impedance: 50Ω

Peak Gain: 3dBi Based on 7cm×7cm ground plane

Gain Coverage: -4dBi at -90° < 0 < +90° (over 75% Volume)

Polarization: RHCP

LNA/Filter

LNA Gain (Without cable): 28dBi Typical

Noise Figure: 1.5dB

Filter Out Band Attenuation: (f0=1575.42MHz)

7dBMin f0±20MHz ; 20dBMin f0±50MHz ; 30dBMin

f0±100MHz

VSWR: ,2.0

DC Voltage: 2.7/3.0/3.3/5.0/3.0 to 5.0V

Dc Current: 11mA Max

GSM Antenna

Centre Frequency: 850/900/1800/1900MHz

VSWR: 2.0:1

Impedance: 50Ω

Typical Gain: 2dBi±/-1dBi@850MHz ; 2dBi±/-1dBi@900MHz ;

2dBi±/-1dBi@1800MHz ; 2dBi±/-1dBi@1900MHz



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Mechanical & Environmental Specifications

Mechanical:

Weight: ,150g

Size: Ø46 x 14.5mm

Cable GPS: RG174 2.5m

GSM: RG174 2.5m

Connector GPS: SMA/SMB/SMC/BNC/FME/TNC/MCX/MMCX

GSM; SMA/SMB/SMC/BNC/FME/TNC/MCX/MMCX

Mounting: Screw (Hole/Roof)

Housing: Black

Environmental

Working Temp: -40°C~+85°C

Storage Temp: -45°C~+100°C

Vibration: Sine sweep 1g(0-p)10~50~10Hz each axis

Humidity: Humidity 95%~100%RH

Weatherproof: 100% Waterproof