

GPS ANTENNA GPS-555

GPS ACTIVE ANTENNA



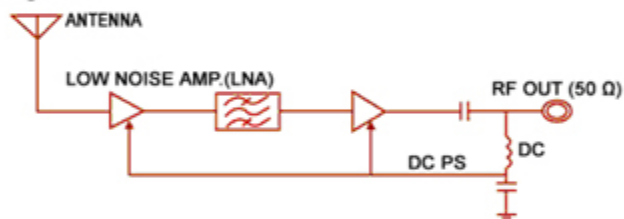
■ Features

- High Gain and Low Noise Figure
- Ultra Low Power Consumption
- Varied Cable Length and Connectors are available
- Compact Construction
- Excellent Temperature Stability
- Magnetic Mount Base

■ Application

- Car Navigation System
- Hand-held GPS system

■ Block Diagram



■ Specifications

Patch Antenna

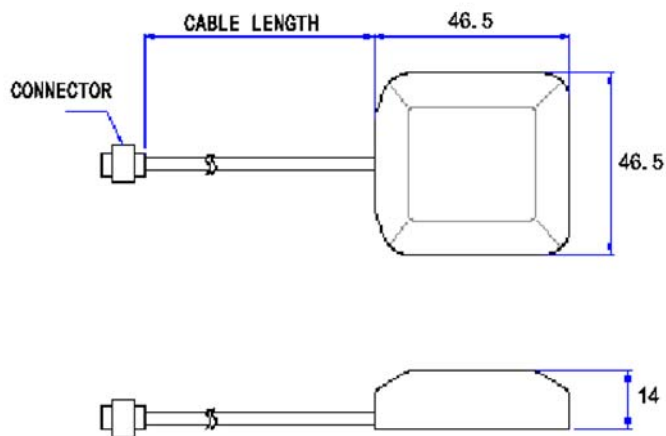
| Type | |
|------------------------------|------------------------|
| Frequency | 1575.42MHz +/-1.023MHz |
| Ground Plane | 70x70mm |
| Bandwith(at10dB return loss) | 10MHz min |
| Gain at Zenith | +4.5dBi typ |
| Axial Ratio | 3.0 dB max |
| VSWR | 1.5 dB max |
| Impedance | 50 Ω |
| Operating Temperature | -40°C ~+85°C |

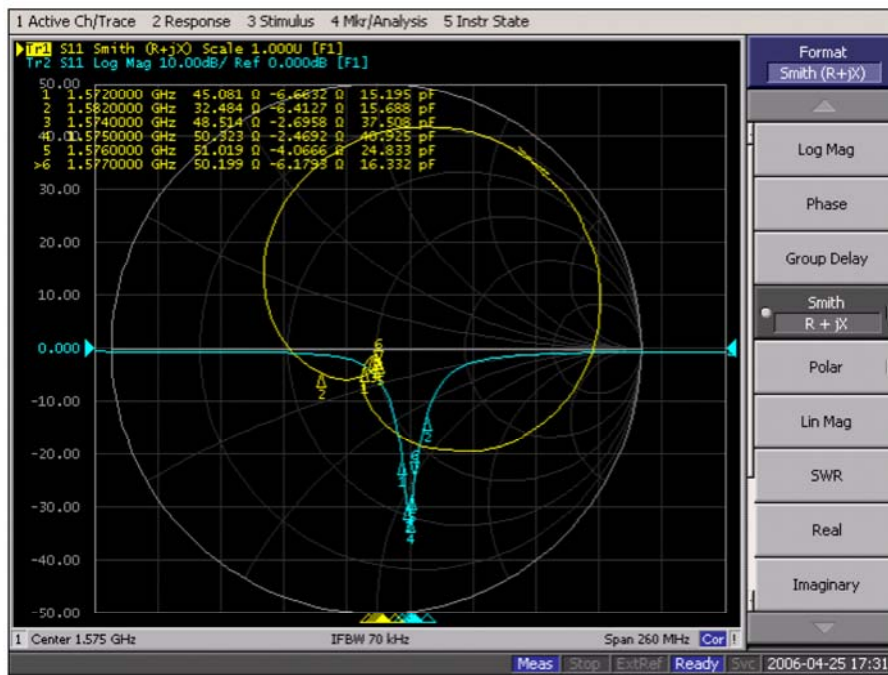
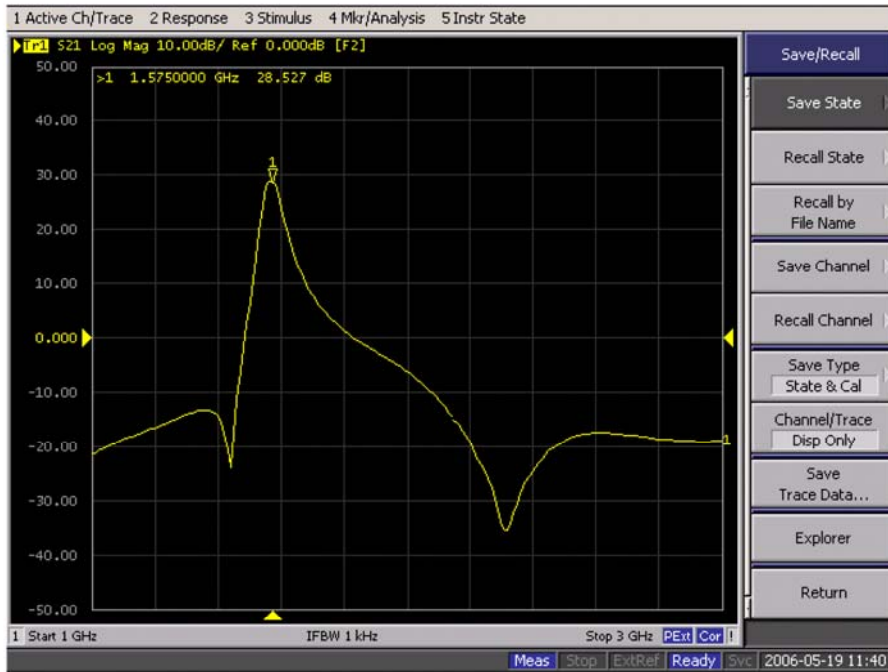
LNA

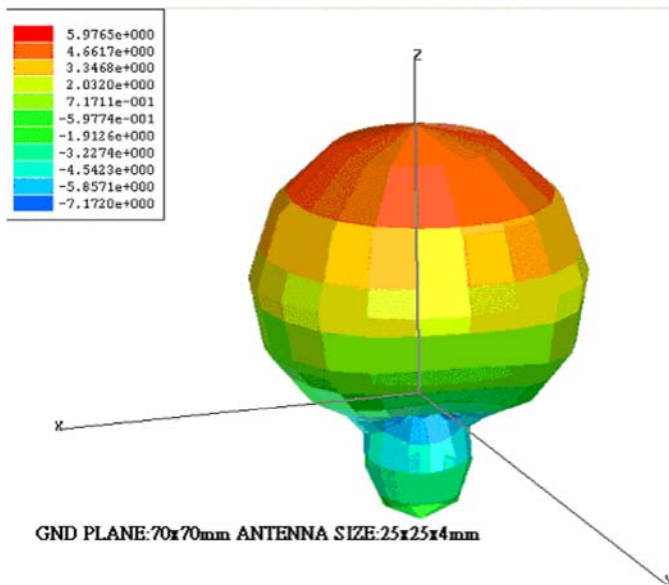
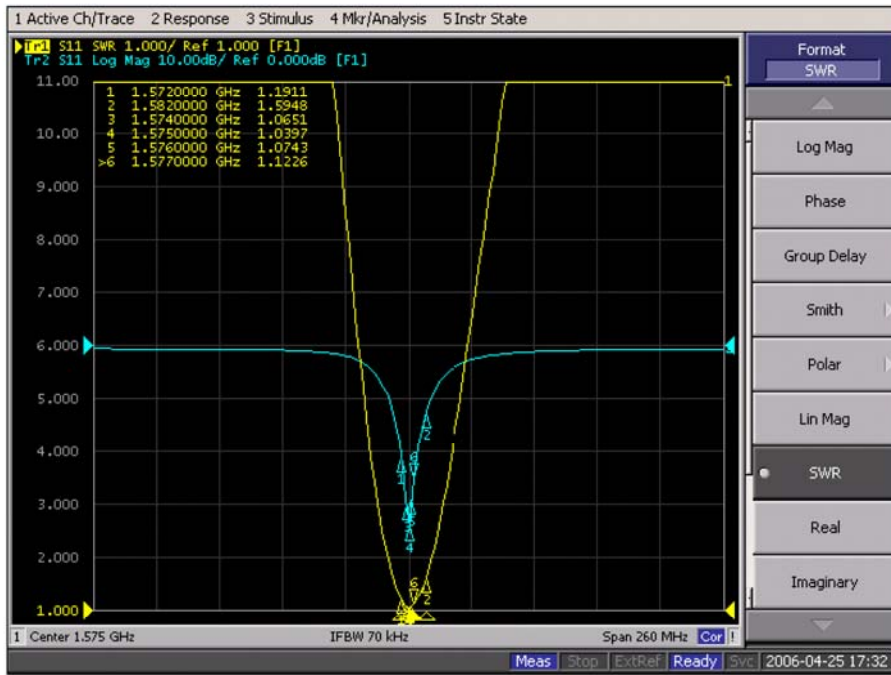
| Type | |
|---------------------------|---------------------------|
| System Gain without cable | 27 dB typ @3.0V(+25°C) |
| Noise Figure | 1.8 dB typ (+25°C) |
| Output VSWR | 2.0 dB max |
| Out of band rejection | Fo = 1575.42 MHz |
| | Fo ± 50 MHz 25db typical |
| | Fo ± 100 MHz 35db typical |
| Voltage | 3.0V |
| Current Consumption | 10 mA max.@3.0V |
| Cable Length | RG-174-5 meters |
| Connector | SMA straight |
| Operating Temperature | -40°C~+85°C |

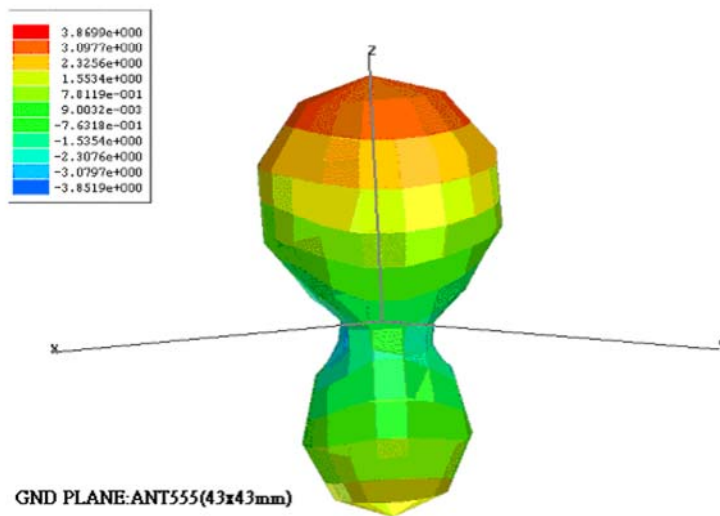
Others

| Type | |
|-------------------------------|----------------------------|
| Dimension | L: 46.5mmW:46.5mm H:14mm |
| Weight | 130.0g (Cable Length 5M) |
| Recommended Storage Condition | Temperature -20°C to 45°C |
| | Humidity 80% max |
| Waterproof | 100% waterproof |
| Plastic color | Black |









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