

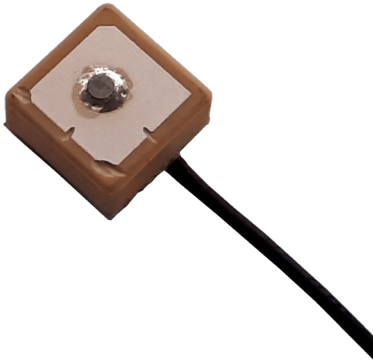


ECHO 19

GPS Internal Active Antenna

Key Features

- Embedded Antenna
- Miniature Size
- Built in LNA with 16dB gain



General Description

This is Siretta's smallest GPS embedded patch antenna measuring just 10 x 10 x 6.7mm, making this antenna ideal for applications where minimising space is a key requirement.

The Echo 19 has a built in LNA giving 16dB gain from just 11mA current consumption.

Common applications include: vehicle/fleet/asset tracking, mobile applications and general position services.

Supplied as standard with 100mm of coax cable terminated with a uFL/IPEX connector. Alternative cable lengths and connector types can be fitted for volume orders.

Additional Considerations

- Compatible with many GPS engine manufacturers equipment
- Meets all EU compliance criteria for electronic goods





ECHO 19

GPS Internal Active Antenna

Key Specifications - Environmental

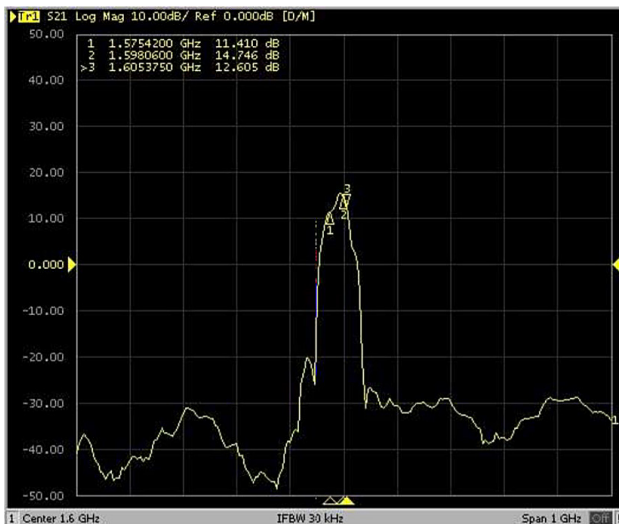
Dielectric Antenna

| | |
|------------------------------|----------------------------|
| Operating temperature range: | -40 to +85°C |
| Storage temperature range: | -45 to +100°C |
| Impedance: | 50 ohm |
| Peak Gain: | 3dBi on 7x7cm ground plane |
| VSWR: | 1.6:1 |
| Centre frequency: | 1575.42 ± 3MHz |
| Polarization: | RHCP |

LNA

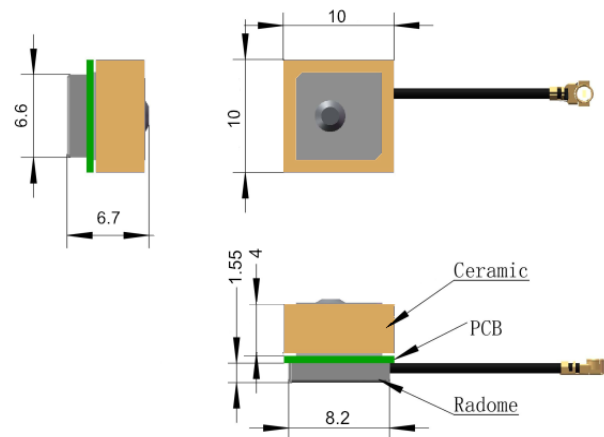
| | |
|------------------------------|---|
| Filter Out Band Attenuation: | 7dB Min f0+/-20MHz 20dB Min f0+/-50MHz 30dB Min f0+/-100MHz |
| Gain: | 16dB |
| VSWR: | 2.0:1 |
| DC voltage: | 2 ~ 3.6V DC |
| DC current: | 11 mA (max) |
| Centre frequency: | 1575.42 MHz |

VSWR



Key Specifications - Mechanical

| | |
|-------------|---------------------|
| Dimensions: | 10mm x 10mm x 6.7mm |
| Cable: | 1.13 |
| Connector: | IPEX/uFL |



Ordering Details

Part Number Description

ECHO19/0.1M/UFL/S/S/17 CERAMIC PATCH GPS ANTENNA 100MM CABLE & UFL CONNECTOR