



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





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GPS Internal Active Antenna

Key Specifications - Environmental

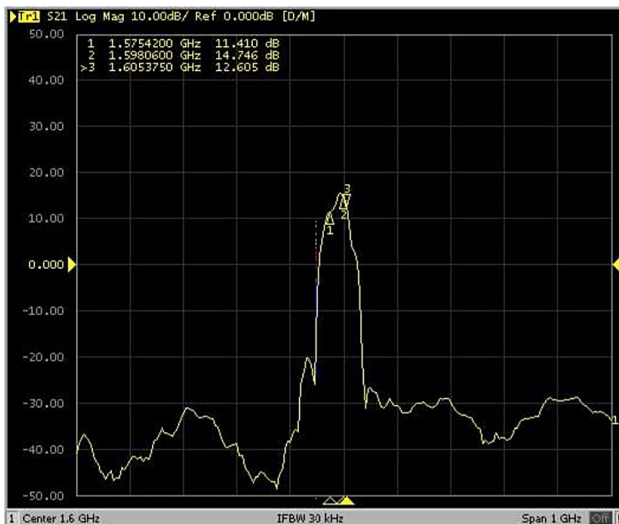
Dielectric Antenna

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

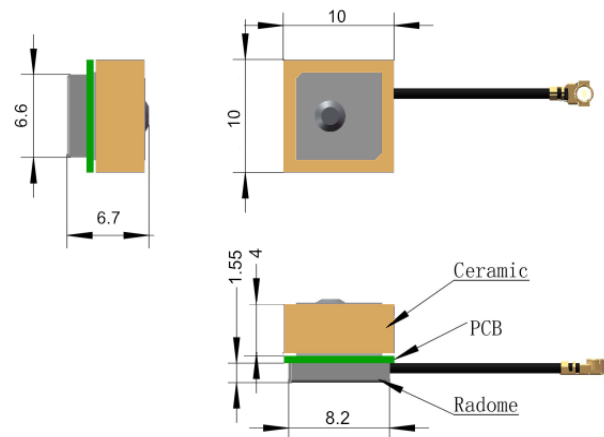
Filter Out Band Attenuation:	7dB Min f0+/-20MHz 20dB Min f0+/-50MHz 30dB Min f0+/-100MHz
Gain:	16dB
VSWR:	2.0:1
DC voltage:	2 ~ 3.6V DC
DC current:	11 mA (max)
Centre frequency:	1575.42 MHz

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