



## Echo 26A

18 x 18mm GPS Ceramic Patch Active Antenna



### Key Features

- Low voltage low current consumption
- LNA gain of 27dB
- Centre frequency of 1575.42MHz

### General Description

The Echo 26A is an active, embedded GPS antenna with a built in Low Noise Amplifier (LNA).

This active GPS antenna produces an impressive peak gain of 27dB, developing a strong signal that influences the speed of acquiring satellites.

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

### Additional Considerations

- Strong signal reduces satellite fix time
- Ceramic filter to reduce noise
- Meets all EU Criteria for electronic goods





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18 x 18mm GPS Ceramic Patch Active Antenna

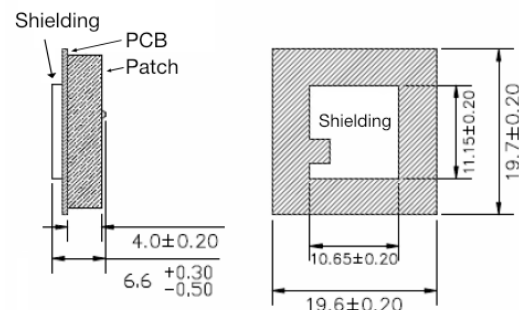
### Key Specifications - Electrical

Operating temperature:	-40 to +90°C
Relative humidity:	10 to 95%
Impedance:	50 ohm
LNA Gain:	27dB typical
VSWR:	<2.0 :1 Max
Supply voltage:	2.3~5.5V DC
	2.5V - 6.6mA
Current consumption:	3V - 8.6mA
	4V - 12.6mA
	5V - 16mA
Centre frequency:	1575.42MHz $\pm$ 1.023 MHz
Bandwidth:	10MHz
Polarization:	RHCP
Noise figure:	1.5dB typ
Ex-band attenuation SAW:	30dB min @fo $\pm$ 50MHz 35dB min @fo $\pm$ 100MHz

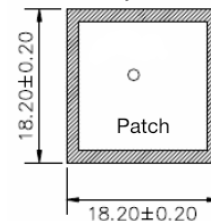
### Key Specifications - Mechanical

Dimensions:	19.7 x 19.6 x 6.6mm
Cable:	1.13mm
Connector:	IPEX
Mounting:	Internal

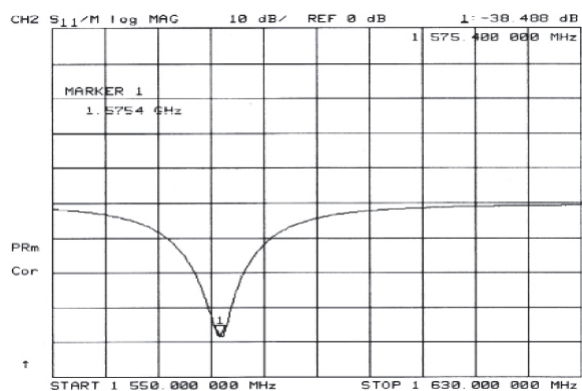
#### Overall Dimensions with PCB



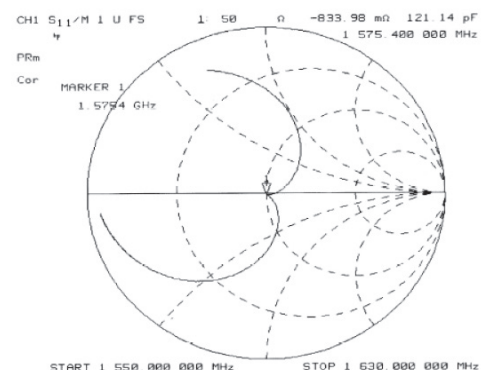
#### Patch Only Dimensions



### Return Loss



### Smith Chart



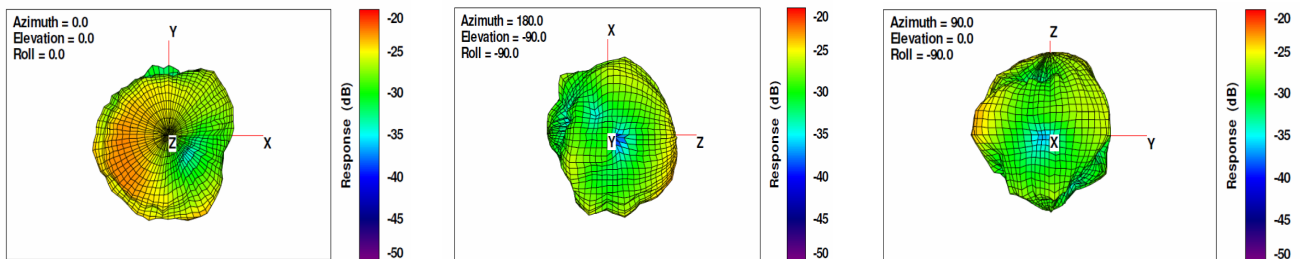


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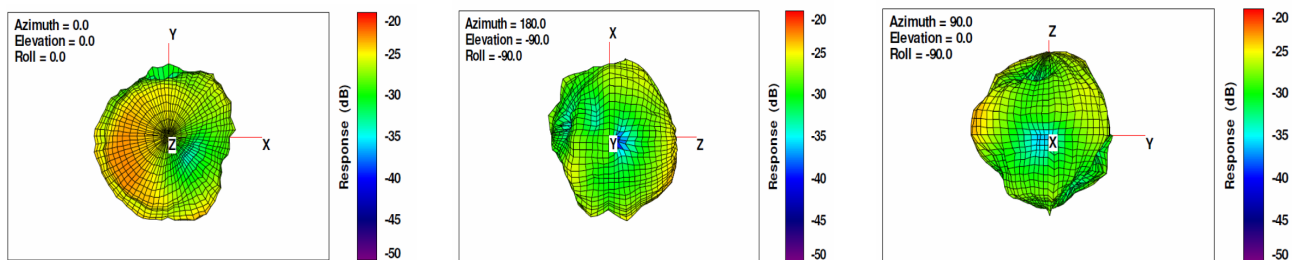
18 x 18mm GPS Ceramic Patch Active Antenna

### Radiation Patterns

1575 MHz



1575.42 MHz



### Ordering Details:

Part number	Description
ECHO26A/0.1M/IPEX/S/S/15	GPS Internal Active Antenna, 100mm Cable, IPEX Connector

# Mouser Electronics

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