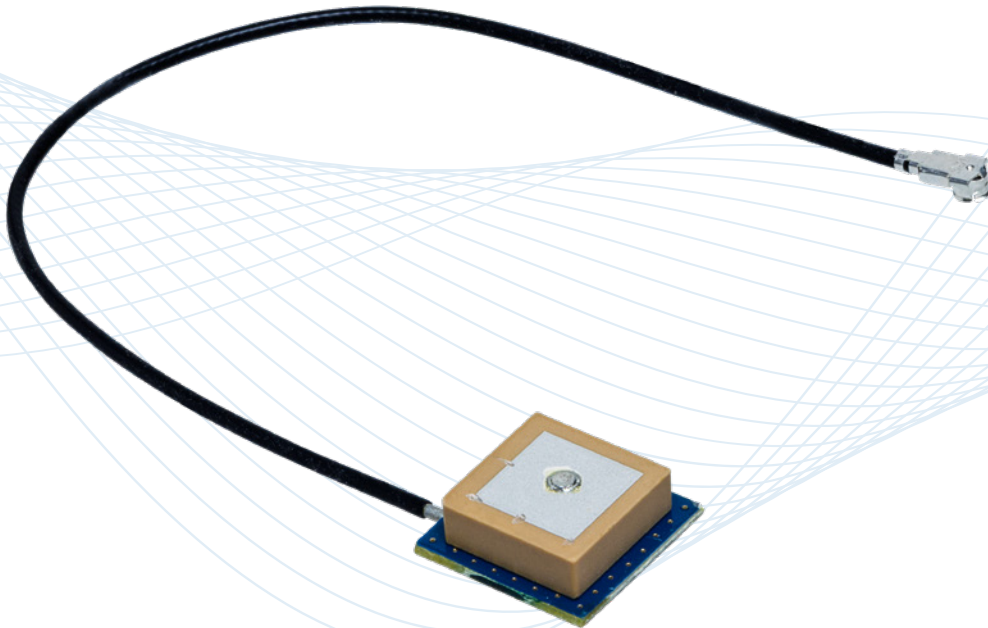


Compact Embedded GPS Antenna

1357D



Description

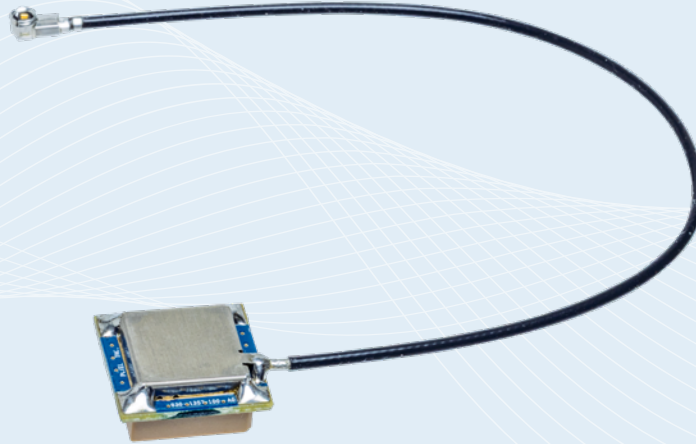
Compact GNSS/GPS antenna featuring ESD circuit protection, a low noise amplifier, and a SAW filter enabling excellent out-of-band signal rejection performance.

Technologies

- GNSS/GPS

Features

- Ultra-compact form factor
- 15 KV ESD circuit protection
- 2.25 to 5 V operation
- Ideal for embedded applications



13 mm Compact Embedded GPS Antenna

GNSS/GPS Antennas - Embedded

The 1357D Compact Embedded GPS antenna is ideal for GPS enabled ruggedized PDAs, laptops, and portable GPS handhelds. The 1357D antenna features a compact ceramic patch element, ESD circuit protection, a low noise amplifier, and a SAW filter, enabling the 1357D to provide great out-of-band signal rejection performance, consistent and clear signal while minimizing loss-of-lock in an extremely small form factor.

Features

- Ultra-compact form factor
- 15 KV ESD circuit protection
- 2.25 to 5 V operation
- Ideal for embedded applications

Certifications



RoHS
COMPLIANT

SPECIFICATIONS



Standard Configuration

13 mm Compact Embedded GPS Antenna

Model	Cable	Connector	Mount	Housing Color
1357D	6' (1.5 m) CO-6EH-SP cable (1.5 mm diameter)	H-FL	Magnetic (5 lb lift-off force) or permanent (pre-threaded for 3 x M2.5 screws)	Black

Electrical Specifications – GPS Antenna

Frequency Range	1575.42 ± 10 MHz
LNA Gain	26dB
Element Gain	0.5 dBic
Polarization	Right hand circular
Current Draw	8mA
Out of Band Rejection	+40 MHz: 12 dB -40 MHz: 65 dB +60 MHz: 65 dB -60 MHz: 65 dB
DC Voltage	2.25 - 5 V
Noise Figure	2.1dB (typical)

Mechanical and Environmental Specifications

Physical

Dimensions	.63" L x .63" W x .27" H (16 x 16 x 6.9 mm)
Weight	0.21 oz (5.9 g)
Housing Material	ASA
Operating Temperature	-40°C to +85°C
Humidity	95% max (non-condensing)

CONTACT US

**For more information about
this product contact your
sales representative or visit
➤ pctel.com/antenna-products**

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