

13 mm Compact Embedded GPS Antenna



The Compact 1357D 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
- 2.7 to 5 V operation
- Ideal for embedded applications



1357D

STANDARD CONFIGURATION

Model	Cable	Connector
1357D	6" (15 cm) CO-6F.FH-SB cable (1.5 mm diameter)	H.FL

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA

Frequency Range	LNA Gain	Element Gain	Polarization
1575.42 ± 10 MHz	@ 3.3 VDC: 28 dB @ 5 VDC: 30 dB	0.5 dBic	Right hand circular

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA, continued

Out of Band Rejection	Current Draw	DC Voltage	Noise Figure
± 15 MHz: 5dB ± 20 MHz: 10 dB ± 30 MHz: 32 dB ± 40 MHz: 40 dB	9 mA @ 3.3V 15 mA @ 5V	2.7 - 5 V	1.5 dB (typical)

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Weight	Temperature Range	Humidity
.63" L x .63" W x .23" H (16 x 16 x 5.8 mm)	0.21 oz (5.9 g)	-40°C to +85°C operating	95% max (non condensing)