

Value Embedded GPS Antenna



The 3967D GPS antenna is ideal for ruggedized handheld GPS devices, mobile asset tracking equipment and GPS timing applications. The 3967D features a custom designed ceramic patch element, a two-stage low noise amplifier and a SAW filter, providing great out-of-band signal rejection performance, consistent and clear signal while minimizing loss-of-lock. The 3967D comes with a 1.75" mini-ground plane.



3967D

Features

- 2.7 - 5 V operation
- Comes with internal ground plane
- Ideal for embedded applications

STANDARD CONFIGURATION

Model	Cable	Connector
3967D	6" (15 cm) RG174	MCX right angle

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA

Frequency Range	LNA Gain	Element Gain	Polarization	Out of Band Rejection	Current Draw
1575.42 ± 10 MHz	30 dB	3 dBic @ 90° -2 dBic @ 20°	Right hand circular	± 15 MHz: 5 dB ± 20 MHz: 10 dB ± 30 MHz: 32 dB ± 40 MHz: 45 dB	13 mA

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA, continued

DC Voltage	Nominal Impedance	Noise Figure	VSWR
2.7-5.0 VDC	50 ohms	1.25 dB	1.5:1 maximum

MECHANICAL SPECIFICATIONS

Dimensions	Weight	Shock	Vibration
1.75" x 3.2" (44.45 x 81.28 mm)	.56 oz (16 g)	Vertical axis 50G Other axes 30G	3 axis, sweep = 15 min 10 - 200 Hz log sweep: 3G

ENVIRONMENTAL SPECIFICATIONS

Temperature Range	Humidity
-40°C to +85°C operating	95% max (non condensing)