



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 1.85" mini-ground plane.



3967D

Features

- 2.7 - 5 V operation
- 15 KV ESD circuit protection
- 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	@ 3.3 VDC: 28 dB @ 5 VDC: 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: 40 dB	<20mA @ 3.3v <35mA @ 5.0v

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA, continued

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

MECHANICAL SPECIFICATIONS

Dimensions	Weight	Shock	Vibration
1.85" x 0.32" (47 x 8 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	ESD Circuit Protection	Humidity
-40°C to +85°C operating	15 KV	95% max (non condensing)