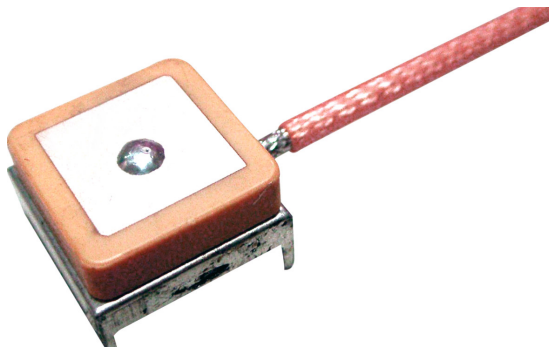


GPS Antenna Module

Model: D-15P

Compact & Passive GPS Antenna module with Excellent Signal Reception for Handheld Applications



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D-15P is the most compact GPS antenna module currently available on the market, thanks to our cutting-edge technology that makes the device the tiniest possible without sacrificing performance. With comprehensive coverage almost all the way to the horizon, it performs excellently in foliage or urban canyon environment. Featuring diminutive but substantial enclosure plus unparalleled performance, D-15P is compatible with almost every GPS receiver model available on the market and provides a perfect alternative for a vast range of GPS applications in the fields of Handheld devices or PDA.

Features

1. Microscopic & rigid structure suit well military and other applications demanding high degree of confidentiality.
2. High sensitivity.
3. Module board available for embedded applications.
4. Ideal for PDA, Handhelds and other computing devices running GPS applications.
5. High temperature stability.

Applications

External Antenna for Handheld GPS / PDA / PC for GPS Navigation



Specification:

PHYSICAL CONSTRUCTION	
Dimension:	15mm (L) x 15mm (W) x 4mm (H)
Weight:	30 grams (excluding cable & connector)
ANTENNA ELEMENT	
Center Frequency:	1575.42 MHz +/- 1.023 MHz
Polarization:	R.H.C.P. (Right Hand Circular Polarization)
Absolute Gain @ Zenith:	+1.5 dBi typically
Axial Ratio @ 90° Elevation:	3 dB typically
Output VSWR:	1.5 dB typically
Output Impedance:	50 ohm
CABLE & CONNECTOR	
RF Cable:	RG174/U (standard), with RG-178/U and RG-316/U as customized options.
Pulling Strength:	6 Kg/5 sec. with molded plastics on connector end for strain relief
Connector Available:	BNC, TNC, FME (to be adapted), GT5, MCX (OSX), SMA, SMB or SMC in straight or right angle type
Optional Adapters:	FME~MCX, FME~BNC, FME~SMA, FME~SMB, FME~TNC
OVERALL PERFORMANCE (Antenna Element, LNA & Cable)	
Center Frequency:	1575.42 MHz
Gain:	1 dB typically
Noise Figure:	1.5 dB typically
Band Width:	8 MHz
Axial Ratio:	3 dB max.
VSWR:	1.5 dB max.
Output Impedance:	50 ohm
ENVIRONMENTAL CONDITIONS	
Operating Temperature:	-30°C~+80°C
Storage Temperature:	-40°C~+80°C
Relative Humidity:	95% non-condensing

* This specification is subject to change without prior notice

Data Updated: Nov 01, 2007