



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

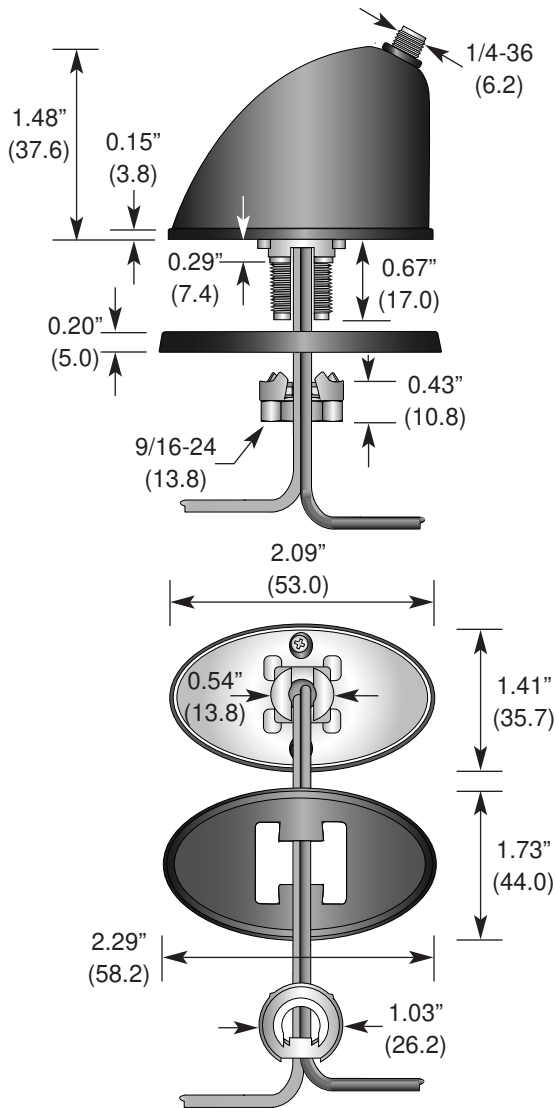
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### Product Dimensions



### Description



The RMG Series combines a high-performance internal GPS antenna with a connector for mounting a secondary antenna. A wide range of connectorized antennas can be attached, enabling the coverage of all popular frequencies. The GPS antenna and connector are housed in a sleek, durable base intended for permanent

through-hole mounting. A separate cable is provided for each antenna and each may be terminated in a variety of standard or custom connector types. The cables feed through a threaded metal post with a flexible compression gasket, which resists the intrusion of water or dirt, and protects the attachment surface. The antenna is ideal for vehicular applications, although its range of applications is virtually unlimited.

### Features

- On-board amplified GPS antenna
- Connector for second antenna element
- Wide range of secondary frequencies
- Rugged and water-resistant
- Separate RG-174 cables for each antenna
- Threaded metal stud mount
- Standard and custom cable terminations

### Specifications

#### INTERNAL GPS ANTENNA

- Frequency 1575.42MHz
- Polarization RHCP (Right-Hand Circular)
- Gain 27dBi typical
- Noise Figure 1.2 max.
- VSWR <2.0:1
- Impedance 50 ohms
- Operating Voltage 2.7 to 5.5VDC
- Power Consumption 15-20mA
- Operating Temperature -35 to +85 degrees Celsius
- Storage Temperature -40 to +95 degrees Celsius
- Cable 5m RG-174

#### EXTERNAL ANTENNA

- Base Connector RP-SMA or SMA
- Cable 5m RG-174

External antenna characteristics are dependant upon the element chosen

### Ordering Information

- ANT-DB2-RMG-xx-yy-zz

External antenna connection	RP-SMA (RP)* or SMA (SM)*	↑
External antenna cable termination	RP-SMA (RP)*, SMA (SM), or MCX (MC)	↑
Internal GPS cable termination	SMA (SM)*, MCX (MC), or FME (F)	↑

\* Standard