

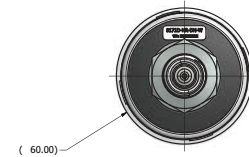
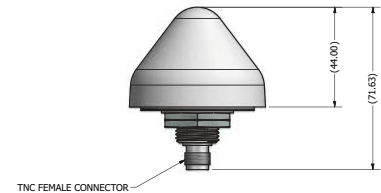
High Rejection Permanent Mount GPS Antenna



The 3971D-HR-DH-W, permanent mount GPS Antenna provides 28 dB gain and superior out-of-band rejection performance and is the optimum choice for GPS Tracking and Timing applications with high RF fields. It features a precision tuned custom ceramic patch element for maximum signal reception, 15KV ESD circuit protection, multi and dual high rejection SAW filters. This enables the 3971D-HR-DH-W to provide a reliable and clear GPS signal while minimizing loss-of-lock, even when conditions are less than ideal. Available in an all-plastic, non-corrosive conical package for vehicle mounting or fixed installations.



3971D-HR-DH-W



Features

- Weather proof, all-plastic, non-corrosive, cone-shaped enclosure
- 3/4 inch thru-hole or bracket mount
- Unique radome sheds water and ice, while eliminating problems associated with bird perching
- Very high rejection dual SAW filter for superior out-of-band rejection
- Voltage range: 2.7 to 5.5 V
- Low current draw: 8 mA @ 3.3 VDC

STANDARD CONFIGURATION

Model	Connector	Mount
3971D-HR-DH-W	TNC jack	3/4" thru-hole or bracket mount*

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA

Frequency Range	LNA Gain	Element Gain	Current Draw	DC Voltage	Noise Figure	Polarization	Out of Band Rejection
1575.42 ± 10 MHz	28 dB	3 dBic @ 90° -2 dBic @ 20°	8 mA @ 3.3 VDC	2.7-5.5 VDC	3.1 dB (typical)	Right hand circular	> 50 dBc @ ± 40 MHz

MECHANICAL SPECIFICATIONS

Dimensions	Weight	Housing Material
2.36" Dia x 1.73" H (60 x 44 mm)	.11 lbs (50 g)	PC

ENVIRONMENTAL SPECIFICATIONS

Temperature Range	ESD Circuit Protection	Ingress Protection
-40°C to +85°C operating	15 KV	IP67**

* Order MMK1925 bracket for compatible mounting.
** When installed according to manufacturer's installation instructions.