

GPS RECEIVER

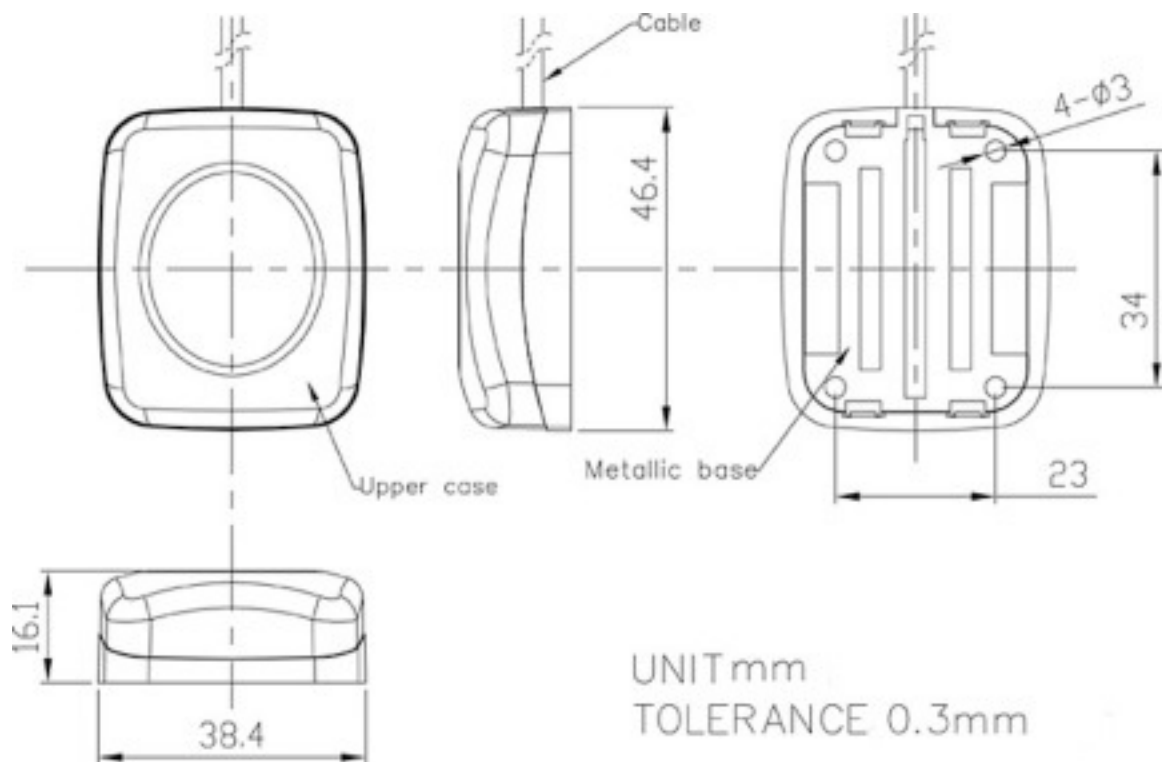
- **GNSS Receiver Puck**
- **Real time Positioning**
- **-159dBm**
- **5 V, Low Power**
- **Serial Port RJ11**

The ADA-R158 mobile locator is a low cost/ high quality GPS solution for AVL, Fleet Management System and Marine Navigational Aids. The unit is a single GPS Receiver/ Antenna in a low profile, waterproof enclosure with bolt mount. It interfaces to a RS-232 with an RJ11 serial com port of your computing device that utilizes NMEA 0183 data output sentences.



Specification

Category	Performance
Built-in Antenna	Ceramic Patch
Receiving Frequency	1575.42 MHz, C/A Code
Sensitivity	-159dBm
Receiver Architecture	20 parallel Channels
Start up Time	<5 sec (Hot start)
	>45 sec (Warm start)
	45 sec (Cold start)
Position Accuracy	1,5 m CEP
Velocity	100 m/s, 223 Miles/hour, 360 Km/hour
Altitude	50 Km, 164.000 ft
Update Rate	1 Hz
Power Supply	RJ11 @ 5 Volt
Current Consump.	60 mA @ 5 V
Baud Rate	4800 bps
Protocol	NMEA V 3.0
Output Sentences	GGA, RMC, GSV, VTG, GSA
Datum	WGS-84
Signal Level	EIA/TIA-232
Enclosure	Ultrasonic Welded, Waterproof, Magnetic Mount
Dimension	46.2 mm x 38 mm x 16.1 mm
Weight	70 gram with Cable a RJ11 connector
Temperature, Operating	-20°C to +60°C
Connector	RJ11



Ordering codes

TYPE	Description	Comment
ADA-R158-RJ11	GPS Receiver Puck	GPS Receiver

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