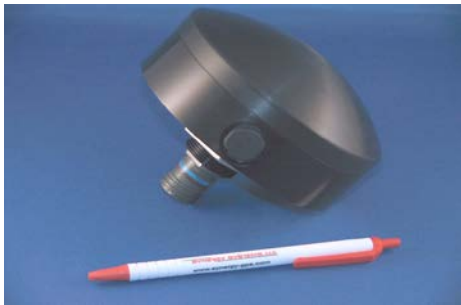


RoHS Compliant



## SRA series OEM GNSS Smart Antennas

Positioning, Navigation and Precision Timing in One, Easy to Install Product  
Fully Conforms with Radio Equipment Directive (RED) 2014/53/EU and LVD 2014/35/EU



SRA with Through-Hole Mount and low-profile Radome

**Summary** - Low profile, installed height just 2.17 inches at mounting surface and diameter of 4.40 inches. Weight is 1.75 pounds. Includes a Rugged, High U/V rated HDPE Radome, base mount, positive connect/disconnect, MIL style connector and a non-moisture passing atmospheric pressure compensator.

Options include a Magnetic Mount version, right-angle mounting brackets, pipe-mount adaptors for pole, tri-pod and tower installations.

The receiver module cavity is double O-Ring sealed to assure moisture resistant integrity. The internals comprise a GPS or Multi-GNSS receiver with integrated GNSS antenna and a robust Power Regulator-I/O card containing circuit protection from external transients caused by ESD, transients on the power lines and lightning protection on all I/O lines (see test specification pages). Power: 12 VDC +/- 2.4 at 1.5 Watts Max.

Operating/storage Temperature range and GPS or GNSS performance ratings are a function of the specific GPS or GNSS module embedded in the SRA (-40 °C to +85 °C typ).

GPS versions embed u-Blox LEA-6T, L1 GPS modules. Multi-GNSS versions embed the u-Blox LEA-M8T, L1 Multi-GNSS module and the new ZED-F9K L1/L2 Multi-GNSS module with Dead Reckoning. Other manufacturers quoted on request

### Ordering Information:

Part Number	GNSS	Type,	Mount,	I/O Configuration
11011111	SRA-6H	- L1 GPS,	Direct Mount,	RS-232
11011022	SRA-6Tf	- L1 GPS,	Direct Mount,	RS-422
11011182	SRA-6Tf	- L1 GPS,	Direct Mount,	RS-232
11031022	SRA-6Tf	- L1 GPS,	Mag-Mount,	RS-422
11031182	SRA-6Tf	- L1 GPS,	Mag-Mount,	RS-232
11011372	SRA-M8T	- L1 Multi-GNSS,	Direct Mount,	RS-422
11011374	SRA-M8T	- L1 Multi-GNSS,	Direct Mount,	RS-232
11031372	SRA-M8T	- L1 Multi-GNSS,	Mag-Mount,	RS-422
11031374	SRA-M8T	- L1 Multi-GNSS,	Mag-Mount,	RS-232
11015582G	SRA-F9K	- L1/L2 Multi-GNSS,	D/R, Dir-Mnt.,	RS-232
1101584G	SRA-F9K	- L1/L2 Multi-GNSS,	D/R, Dir. Mnt.,	RS-422
11035582G	SRA-F9K	- L1/L2 Multi-GNSS,	D/R, Mag-Mnt,	RS-232
11035584G	SRA-F9K	L1/L2 Multi-GNSS,	D/R Mag-Mnt,	RS-422

### Applications:

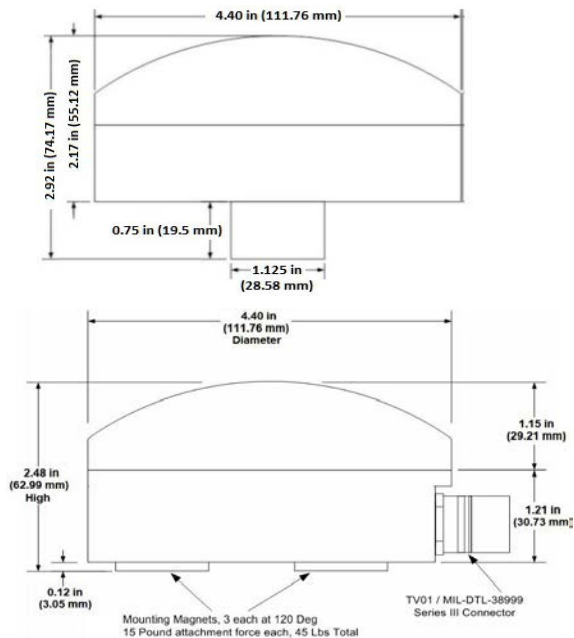
Specifically designed and tested for both new and existing applications requiring navigation, synchronization and/or precise timing operation in hostile environments, including:

- Railroad Locomotives and Rolling stock
- Military Vehicles and Mobile Structures
- Marine Positioning and Asset Tracking
- Mining Equipment and Vehicles
- Heavy Construction Vehicles and Equipment
- Off-Highway Vehicles
- Agricultural Equipment
- Rural Telecom Timing & Synchronization

All SRA series antennas feature a rugged, machined Aluminum housing and High Density Polyethylene (HDPE) Radome. The SRA has passed stringent environmental, electrical and shock & vibration testing to railroad industry Standards

SRA series antenna products are available individually or integrated into installation with everything necessary for operation as a precision timing or position location system. See Tech-Note 815 for power supply and cabling options for the RS-232 versions.

### Direct Mount Installation Dimensions:



### Magnetic-Mount version for temporary field tests.

The SRA Product Development Road-Map includes:

- USB Power/Data Port
- Ethernet I/O - Power over Ethernet (POE)
- Integrate Septentrio Mosaic X5 GNSS receiver technology
- Internal heater for hyper-cold environments

For configuration assistance, order placement and technical support call:

<p><b>SYNERGY SYSTEMS, LLC</b> Time proven products and support</p>	Phone: (858) 566-0666
	Fax: (858) 566-0768
	E-Mail: <a href="mailto:geminfo@synergy-gps.com">geminfo@synergy-gps.com</a>
	Web: <a href="http://www.synergy-gps.com">www.synergy-gps.com</a>