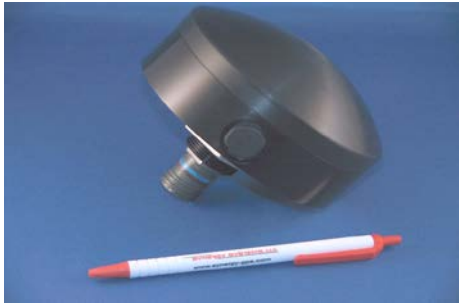


RoHS Compliant



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).

Multi-GNSS versions embed the u-Blox LEA-M8T, which can be set for GPS only operation for backward compatibility with previously delivered SRA-6Tf GPS products.

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

* EOL - Use SRA-M8T Versions

Applications:

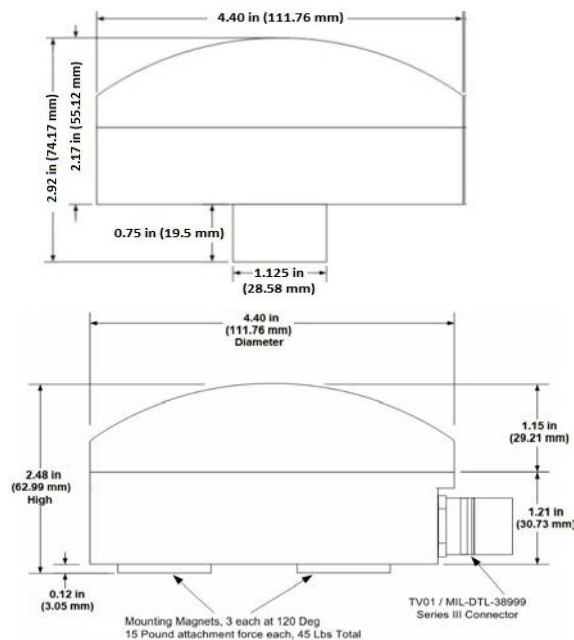
Specifically designed and tested for both new and existing applications requiring navigation, synchronization and/or precise timing operation in hostile environments, including:

- 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)

For configuration assistance, order placement and technical support call:



SYNERGY SYSTEMS, LLC
Time proven products and support

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