

SAJ-100-S1

Trihedral Corner Reflector, 10"

SAJ-100-S1 is a 10" x 10" x 10" trihedral corner reflector, featuring a rugged aluminum construction with a clear chemical film finish. The trihedral reflector simulates radar target precisely and is widely used for Radar system calibration. With a ¼-20 threaded hole for a built in mounting bracket, the reflector can be mounted onto a tripod for rapid system setups.



Mechanical Specifications:

Item	Specification
Mounting	¼-20 Threaded Hole
Finish	Clear Chem Film
Weight	2.9 lbs
Edge Length	10.0"
Outline	AJ-S-10.0-RC

ECCN

EAR99

FEATURES

- Compact Size
- High RCS
- Rugged Configuration

APPLICATIONS

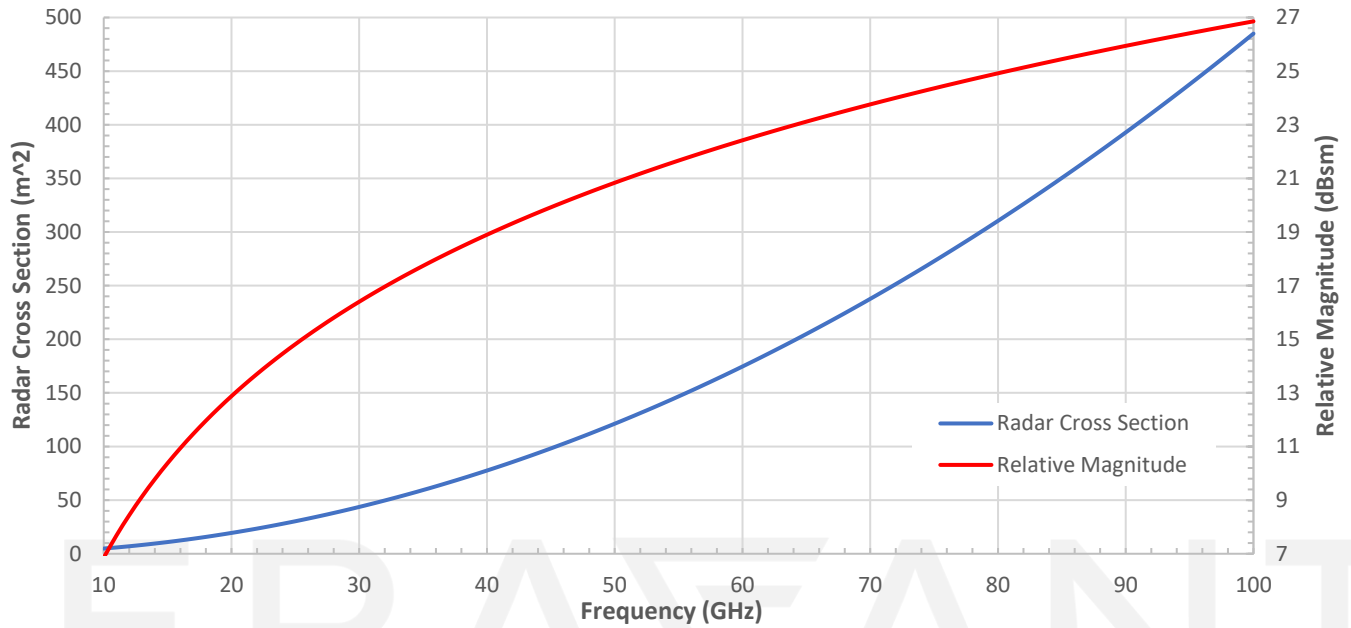
- Radar Target Simulator
- Radar System Evaluation
- Radar System Calibration

SUPPLEMENTAL DETAILS



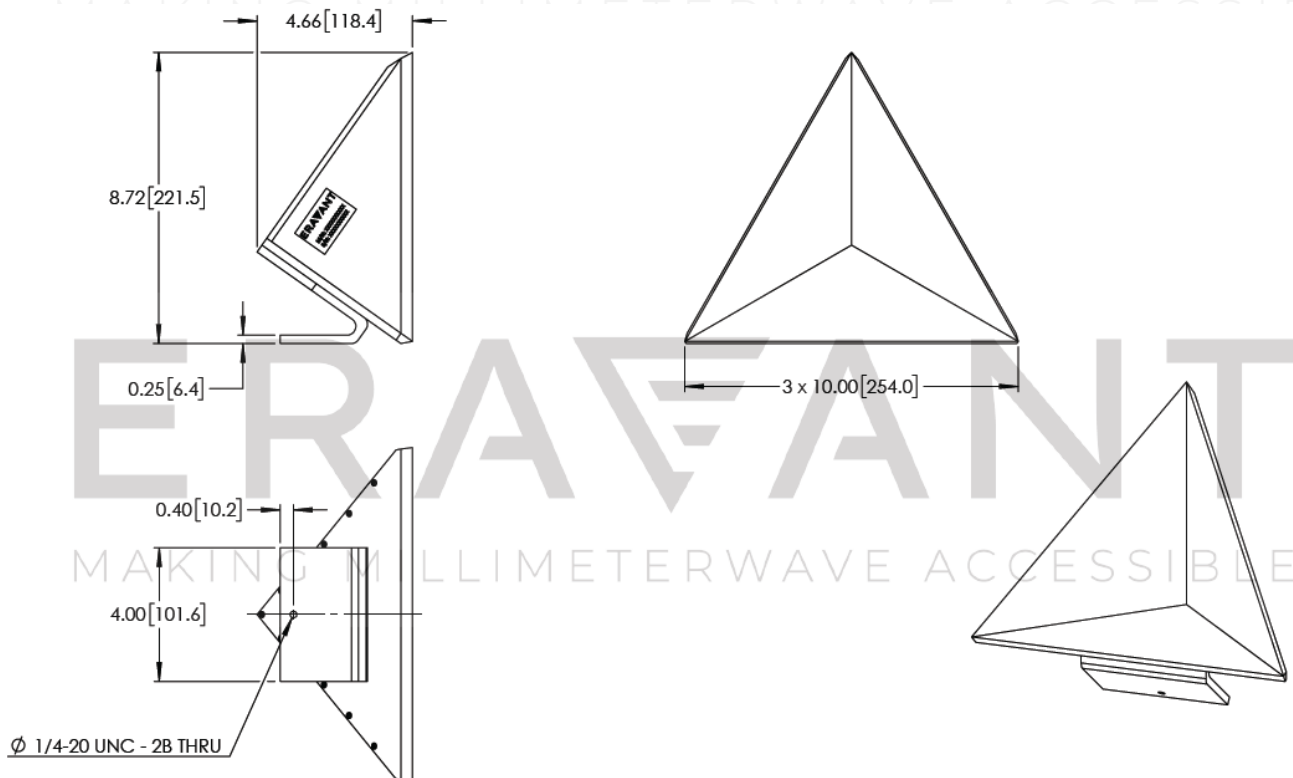
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Calculated Radar Cross Section and Relative Magnitude



Mechanical Outline:

Unless otherwise specified, all dimensions are in inches [millimeters]



NOTE:

- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- On condition that simulated test data is provided, actual measured data may slightly vary.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.
- Any foreign objects in the antenna will cause performance degradation and possible device damage.
- For 1 mm connectors proper torque should be applied: 4.0 ± 0.15 inch-pounds (0.45 ± 0.02 Nm). Torque wrench model SCH-06004-S1 is highly recommended.
- For 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm, and SMA connectors proper torque should be applied: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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