

## SAJ-085-S1

### Trihedral Corner Reflector, 8.5"

**SAJ-085-S1** is a 8.5" x 8.5" x 8.5" trihedral corner reflector, featuring a rugged aluminum construction with a gold chemical film finish. The trihedral reflector simulates radar target precisely and is widely used for Radar system calibration. With a 1/4-20 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	1/4-20 Threaded Hole
Material	Aluminum
Finish	Clear Chem Film
Weight	2.3 lbs
Edge Length	8.5"
Outline	AJ-S-8.5-RC

#### ECCN

EAR99

#### FEATURES

- Compact Size
- High RCS
- Rugged Configuration

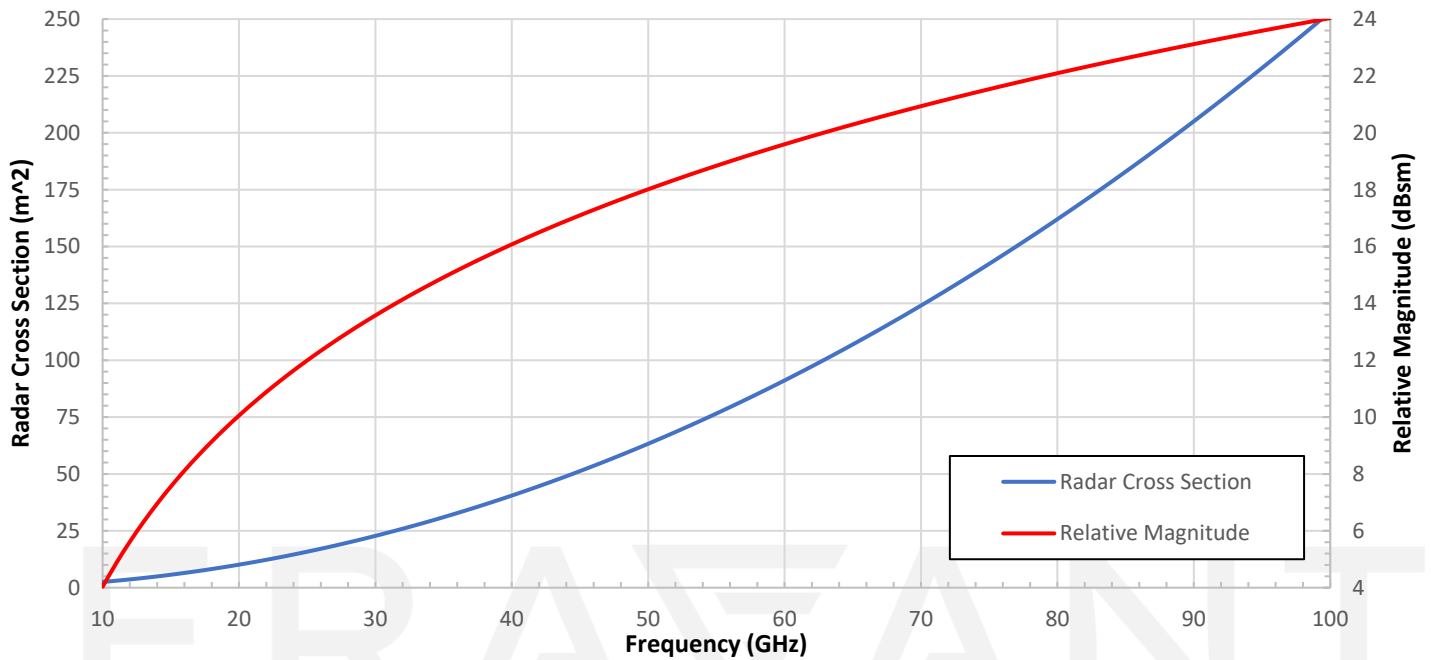
#### APPLICATIONS

- Radar Target Simulator
- Radar Systems Evaluation
- Radar Systems Calibration

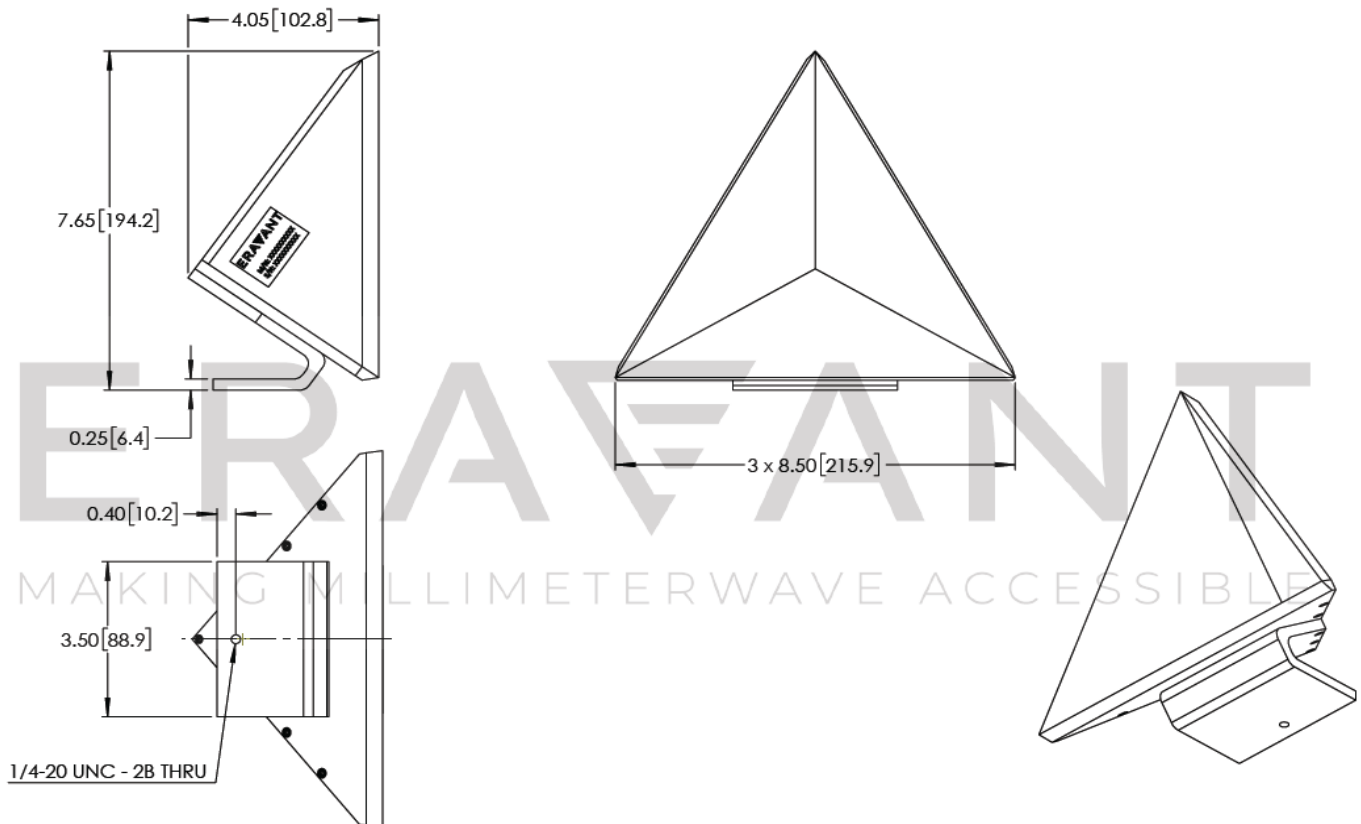
#### SUPPLEMENTAL DETAILS



### Calculated Radar Cross Section and Relative Magnitude



**Mechanical Outline:** (Unless otherwise specified, all dimensions are in inches [millimeters])



**NOTE:**

- 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.
- For more information on corner reflectors, an informative blog is provided here: <https://www.eravant.com/corner-reflectors>
- To calculate the RCS and relative magnitude for a specific frequency, an online calculator is provided here: <https://www.eravant.com/corner-reflector-calculator>



**SHARP METAL EDGES - SEVERE INJURY RISK**

- Handle with extreme caution. Sharp and pointed metal edges can cause severe cuts, punctures, or bodily injury.
- Wear heavy-duty gloves and appropriate protective equipment during handling, assembly, and installation.
- Use care to prevent slips, falls, or accidental contact with the product.
- Do not leave unattended in areas accessible to children or unauthorized personnel.
- Ensure product is securely stored or mounted to minimize risk of accidents.
- Failure to follow these warnings could result in serious injury.
- Eravant assumes no responsibility for injuries resulting from improper handling, installation, or storage of this product.

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