Trihedral Corner Reflector, 1.8"

SAJ-018-S1 is a 1.8" x 1.8" x 1.8" 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 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
Material	Aluminum
Finish	Clear Chem Film
Weight	0.6 lbs
Edge Length	1.8"
Outline	AJ-S-1.8-RC

ECCN

EAR99

FEATURES

- Compact Size
- High RCS
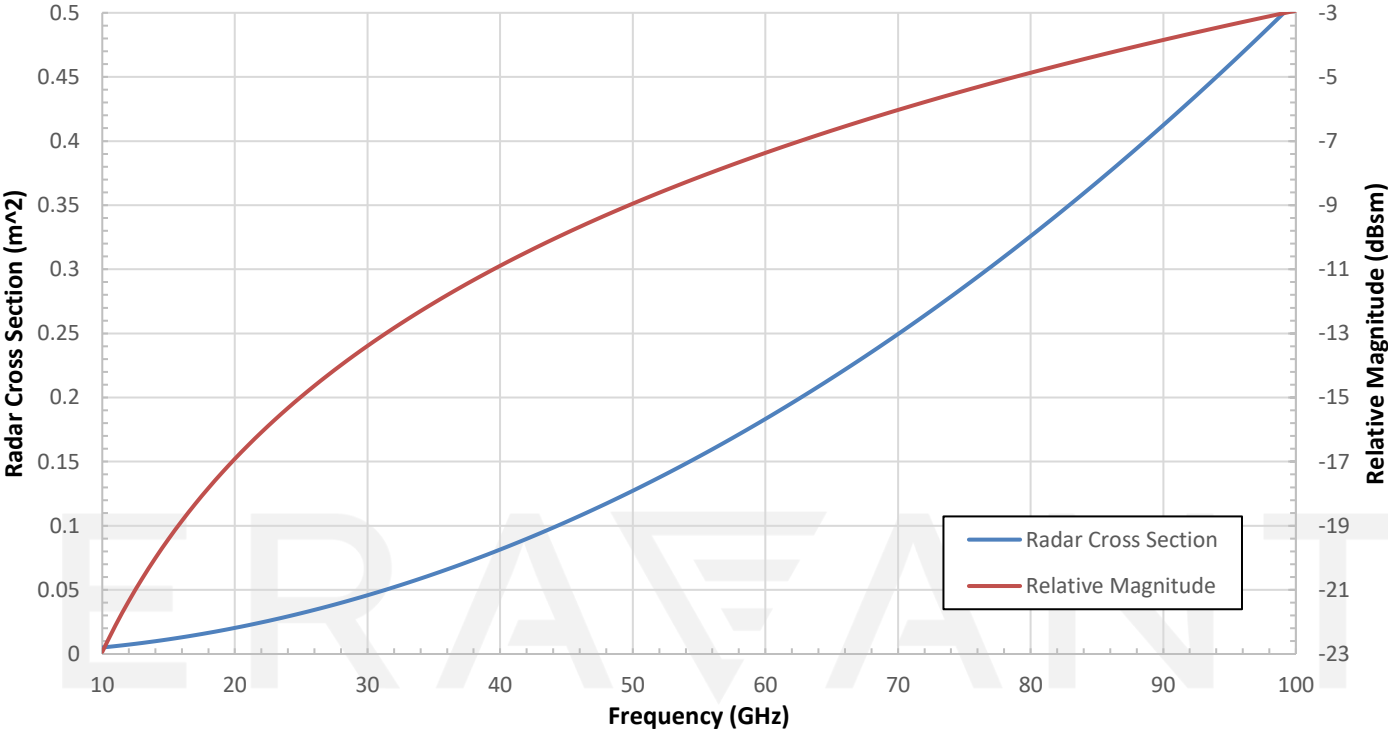- Rugged Configuration

APPLICATIONS

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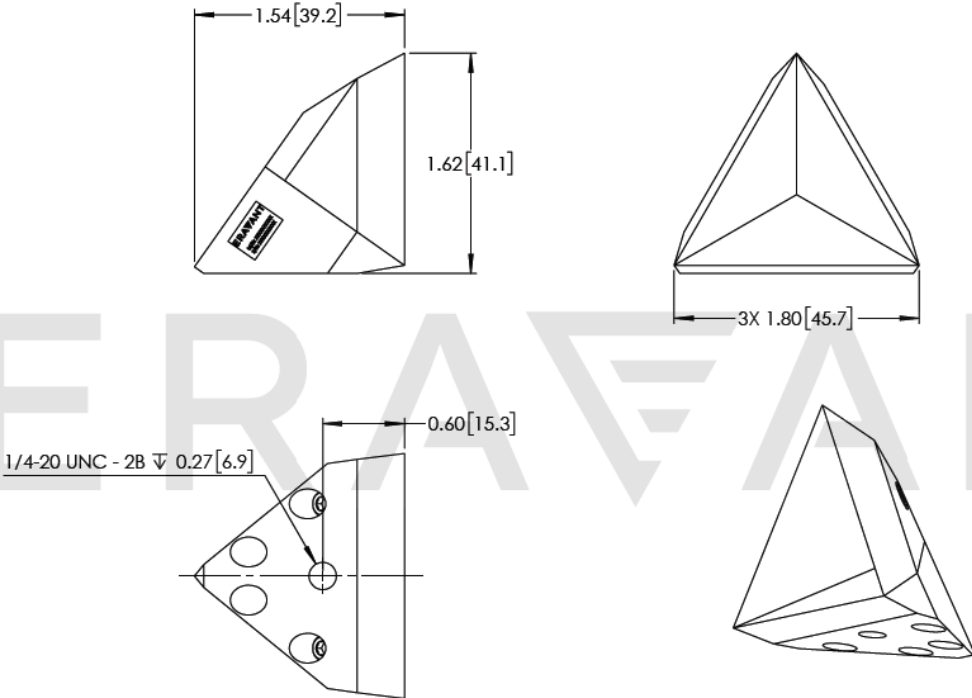- Radar System Calibration

SUPPLEMENTAL DETAILS

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Calculated Radar Cross Section and Relative Magnitude

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

Final Rev 1.2

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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: h**ttps://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**

⚠ **WARNING**

<u>SHARP METAL EDGES - SEVERE INJURY RISK</u>

- 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.