

SAJ-007-S1-0.71

Trihedral Corner Reflector, 18 mm

SAJ-007-S1-0.71 is an 18 mm x 18 mm x 18 mm 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 an 8-32 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	8-32 Threaded Hole
Material	Aluminum
Finish	Clear Chem Film
Weight	0.14 Oz
Edge Length	0.71" [18 mm]
Outline	AJ-S-0.71-RC

ECCN

EAR99

FEATURES

- Compact Size
- High RCS
- Rugged Configuration

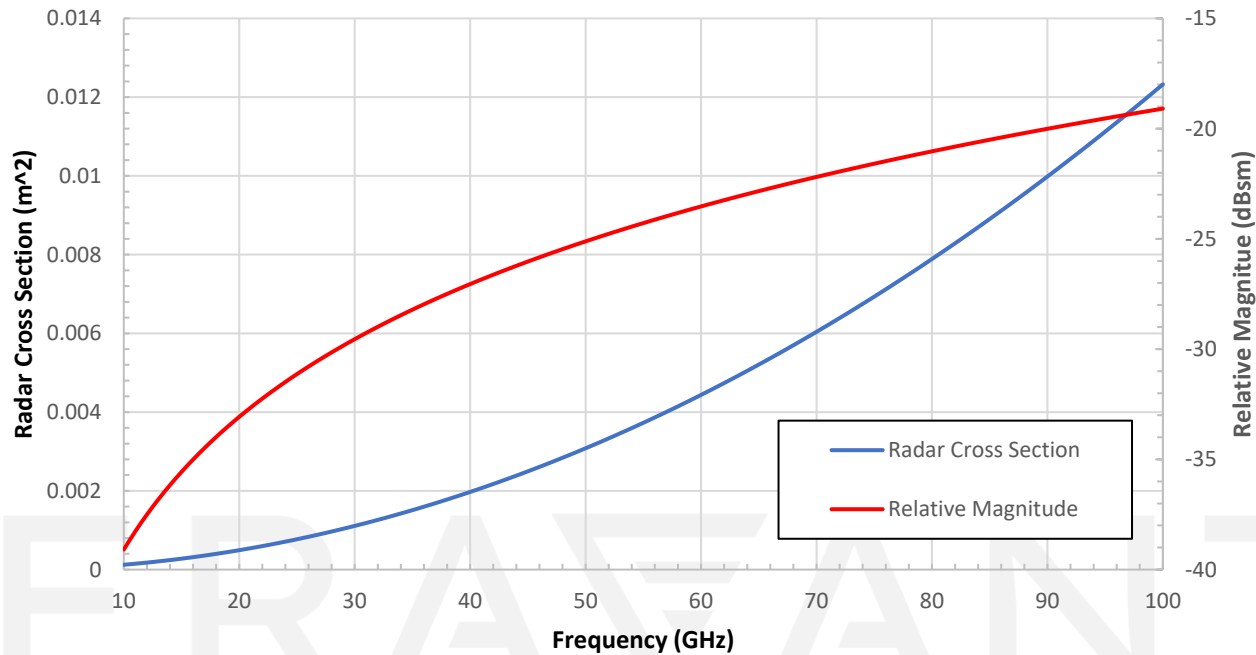
APPLICATIONS

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

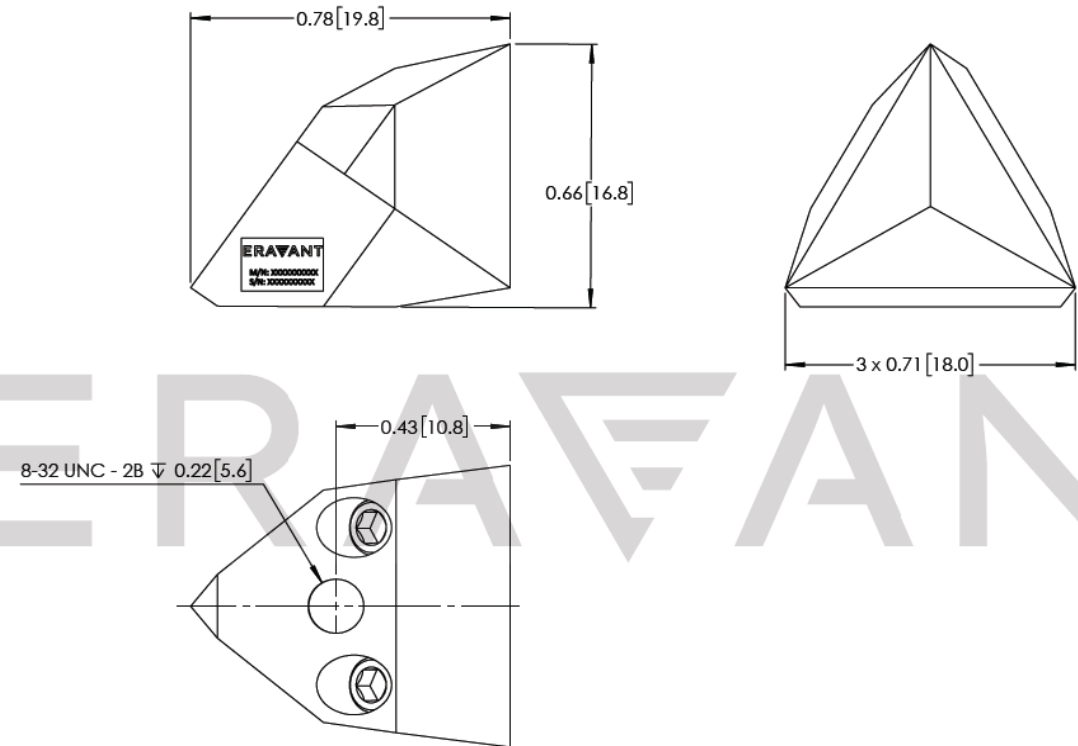
SUPPLEMENTAL DETAILS



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>



WARNING

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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