

3" x 3" Positive, USAF 1951 Resolution Target



Stock #36-275 **20+ In Stock**

⊖ 1 ⊕ ₹25,470

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Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-4 | ₹25,470 each |
| Qty 5+ | ₹24,210 each |
| Need More? | Request Quote |

Product Downloads

General

Positive Target **Type:**

Standard Resolution **Options:**

Physical & Mechanical Properties

3 x 3 **Dimensions (inches):**

1.50 **Thickness (mm):**

Edges:
Beveled

Flatness (mm):
≤0.00254

Optical Properties

Coating:
Vacuum-Deposited Durable Chromium

Substrate:
Float Glass

Optical Density OD (Average):
≥3.0

Resolution:
Minimum: Group -2, Element 1
Maximum: Group 7, Element 6

Surface Quality:
20-10

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 240:
[Compliant](#)

Country of Origin:
United States

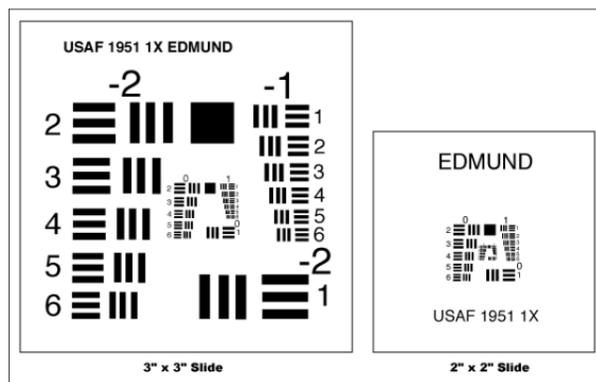
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Product Details

- Negative and Positive Patterns On Glass
- Two Sizes Available
- Each is Boxed and Includes Resolution Value Chart
- High Resolution Target Available (down to 645 lp/mm)

USAF 1951 Glass Slide Resolution Test Targets are available in either positive (chrome pattern on clear background) or negative (clear pattern on a chrome background). The positive pattern is recommended for the quality control of microscopes and magnifiers. The negative pattern is ideal for collimators and other illuminated test equipment. USAF 1951 Glass Slide Resolution Test Targets are boxed and include a resolution value chart. The targets conform to ML-S-150A.

Technical Information



| Element | Group Number | | | | | | | | | | For High Res only | |
|---------|--------------|-------|------|------|------|-------|-------|------|-------|-------|-------------------|-------|
| | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | 0.250 | 0.500 | 1.00 | 2.00 | 4.00 | 8.00 | 16.00 | 32.0 | 64.0 | 128.0 | 256.0 | 512.0 |
| 2 | 0.280 | 0.561 | 1.12 | 2.24 | 4.49 | 8.98 | 17.95 | 36.0 | 71.8 | 144.0 | 287.0 | 575.0 |
| 3 | 0.315 | 0.630 | 1.26 | 2.52 | 5.04 | 10.10 | 20.16 | 40.3 | 80.6 | 161.0 | 323.0 | 645.0 |
| 4 | 0.353 | 0.707 | 1.41 | 2.83 | 5.66 | 11.30 | 22.62 | 45.3 | 90.5 | 181.0 | 362.0 | — |
| 5 | 0.397 | 0.793 | 1.59 | 3.17 | 6.35 | 12.70 | 25.39 | 50.8 | 102.0 | 203.0 | 406.0 | — |
| 6 | 0.445 | 0.891 | 1.78 | 3.56 | 7.13 | 14.30 | 28.50 | 57.0 | 114.0 | 228.0 | 456.0 | — |

| Condition | Positive Test Target | Negative Test Target |
|--------------------|--------------------------------------|--|
| Lighting Condition | Front-lit or general lighting | Back-lit or highly illuminated |
| Appearance of Bars | Dark bars on a bright background | Bright bars on a dark background |
| Application | General optical testing | High-contrast or back-lit testing |
| Substrate | Clear substrate with chrome patterns | Chrome-covered substrate with clear patterns |
| Example Use Case | Microscope calibration | Projection systems, back-lit displays |

