

3" x 3" Negative, USAF 1951 Hi-Resolution Target



Stock **#64-863** **3 In Stock**

⊖ 1 ⊕ **SS\$2,933⁰⁰**

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| Volume Pricing | |
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| Qty 1-4 | SS\$2,933.00 each |
| Qty 5+ | SS\$2,786.84 each |
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Product Downloads

General

Negative Target **Type:**

High Resolution **Options:**

Physical & Mechanical Properties

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

1.50 **Thickness (mm):**

Beveled **Edges:**

≤0.00254 **Flatness (mm):**

Optical Properties

Vacuum Deposited Durable Chromium **Coating:**

Float Glass **Substrate:** □

≥3.0 **Optical Density OD (Average):**

Minimum: Group -2, Element 1
Maximum: Group 9, Element 3 **Resolution:**

20-10 **Surface Quality:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

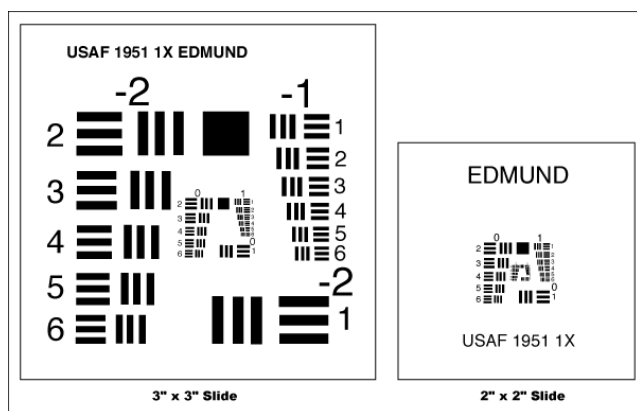
[Compliant](#) **Reach 240:**

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 |