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2" x 2" Positive, USAF 1951 Hi-Resolution Target



Stock #58-198 [CONTACT US](#)

- 1 + €845⁰⁰

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Volume Pricing

Qty 1-4	€845,00 each
Qty 5+	€803,80 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Positive Target **Type:**

Pattern Location is Centered **Note:**

High Resolution **Options:**

No **NIST Certification:**

Physical & Mechanical Properties

2 x 2 ±0.04 **Dimensions (inches):**

1.50 ±0.05 **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 0, Element 1
Maximum: Group 9, Element 3 **Resolution:**

20-10 **Surface Quality:**

Regulatory Compliance

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

[Compliant](#) **Reach 223:**

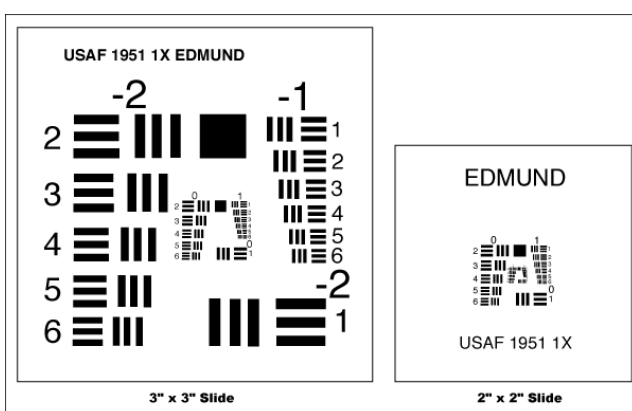
[View](#) **Certificate of Conformance:**

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

