

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



Stock **#55-622** CLEARANCE **14 In Stock**

-

1

+

£704^{.78}

ADD TO CART

Volume Pricing	
Qty 1-4	£704.78 each
Qty 5+	£670.38 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Negative 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	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

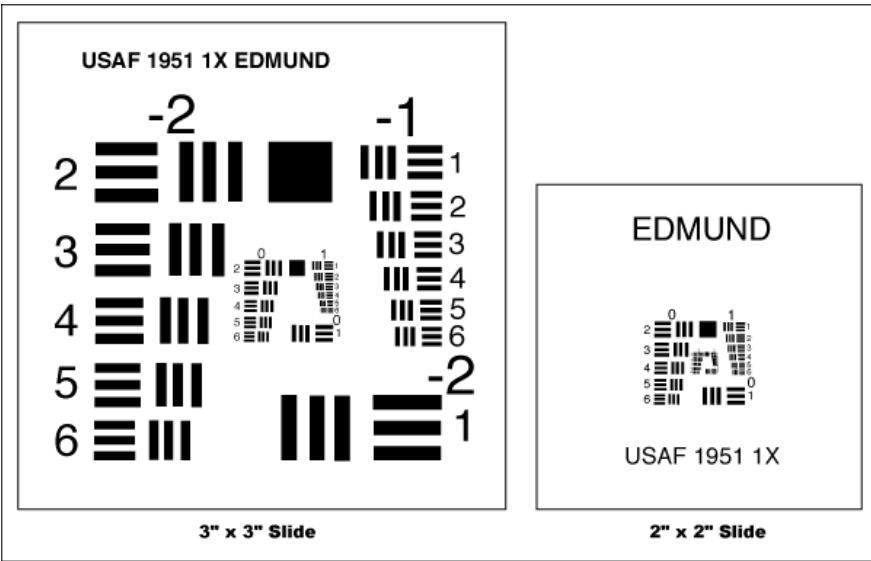
Compliant	RoHS 2015:
Compliant	Reach 223:
View	Certificate of Conformance:

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