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2" x 2" Positive, USAF 1951 Resolution Target



Stock **#38-257** 20+ In Stock

-

1

+

C\$305^{.20}

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Volume Pricing	
Qty 1-4	C\$305.20 each
Qty 5+	C\$290.64 each
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Product Downloads

General

Type:

Positive Target

Options:

Standard Resolution

Physical & Mechanical Properties

Dimensions (inches):

2 x2

Thickness (mm):

1.50

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 0, Element 1 Maximum: Group 7, Element 6	
Surface Quality:	
20-10	

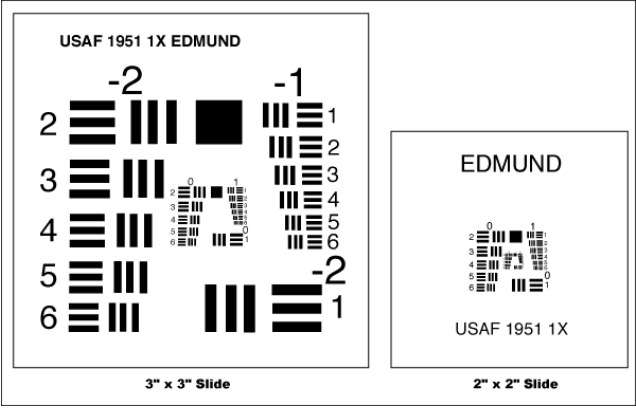
Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 240:	
Compliant	

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			