

100 x 100mm, 1.0mm Spacing, Glass Distortion Target



Stock #62-213 2 In Stock

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+

£1,200⁰⁰

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Volume Pricing	
Qty 1-4	£1,200.00 each
Qty 5+	£1,140.64 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Chrome on Glass

NIST Certification:
Serialized NIST Traceable Certificate Included

Physical & Mechanical Properties

0.250	Dot Diameter (mm):
1.000	Dot Spacing (mm):
±0.002	Overall Accuracy (mm):
100 x 100	Pattern Size (mm):
5 x 5	Dimensions (inches):
1.50	Thickness (mm):
± 0.002	Dot Diameter Tolerance (mm):
± 0.002 Center to Center	Dot Spacing Tolerance (mm):
0.001	Flatness (inches):

Optical Properties

Reflective First Surface Chromium R _{abs} = 50% ±5% @ 550nm	Coating:
Soda Lime Float Glass	Substrate:
>3.0	Optical Density OD (Average):
40-20	Surface Quality:

Regulatory Compliance

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

Product Details

- For Distortion Measurement and Calibration of Imaging Systems
- Chrome on Soda Lime Glass or Chrome on White Ivory Glass Versions
- NIST Certificate of Accuracy Included

Fixed Frequency Grid Distortion Targets are used to resolve the often-troublesome distortion factor in measurement applications. It is important to note that no information about the object is actually lost, but merely misplaced in the image when distortion occurs. Using these targets, one can easily determine the precise amount of distortion present and back it out of measurements. The dot center can be located using blob (or centroid) analysis in measurement software. Fixed Frequency Grid Distortion Targets are available in various options each with different dot size/dot frequency combinations. Choose a target based on your field of view or resolution/accuracy requirements. These targets are available in either a chrome on soda lime glass or chrome on white ivory glass to accommodate transmission or reflection-based applications, respectively. Included in the packaging is a serialized NIST Traceable Certificate of Accuracy per MIL-STD-45662A.