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



Stock #59-217 **2 In Stock**

1 MRP ₹1,56,645

Price inclusive of all taxes

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Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-4 | ₹1,56,645 each |
| Qty 5+ | ₹1,48,924 each |
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Product Downloads

General

Chrome on Glass

Type:

NIST Certification:
Serialized NIST Traceable Certificate Included

Physical & Mechanical Properties

Dot Diameter (mm):

| | |
|--------------------------|-------------------------------------|
| 0.500 | Dot Spacing (mm): |
| 1.000 | |
| | Overall Accuracy (mm): |
| ±0.002 | |
| | Pattern Size (mm): |
| 100 x 100 | |
| | Dimensions (inches): |
| 5 x 5 | |
| | Thickness (mm): |
| 1.50 | |
| | Dot Diameter Tolerance (mm): |
| ± 0.002 | |
| | Dot Spacing Tolerance (mm): |
| ± 0.002 Center to Center | |
| | Flatness (inches): |
| 0.001 | |

Optical Properties

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

Regulatory Compliance

| | |
|---|------------------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 240: |
| United States | Country of Origin: |
| Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000 | Imported By: |

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.