

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



Stock #62-213 **2 In Stock**

1 MRP ₹1,59,300

Price inclusive of all taxes

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Qty 1-4	₹1,59,300 each
Qty 5+	₹1,51,420 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):

0.250

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<sub>abs</sub> = 50% ±5% @ 550nm

Substrate: □

Soda Lime Float Glass

Optical Density OD (Average):

>3.0

Surface Quality:

40-20

## Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 240:

Compliant

Country of Origin:

United States

Imported By:

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
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## 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.