

## 50 x 50mm, 1.0mm Spacing, Glass Distortion Target



Stock #57-983 [CONTACT US](#)

- 1 + \$938<sup>00</sup>

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### Volume Pricing

Qty 1-4	\$938.00 each
Qty 5+	\$892.36 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

### General

Chrome on Glass **Type:**

**NIST Certification:**  
Serialized NIST Traceable Certificate Included

### Physical & Mechanical Properties

0.500 **Dot Diameter (mm):**

1.000	<b>Dot Spacing (mm):</b>
±0.002	<b>Overall Accuracy (mm):</b>
50 x 50	<b>Pattern Size (mm):</b>
3 x 3	<b>Dimensions (inches):</b>
1.50	<b>Thickness (mm):</b>
± 0.002	<b>Dot Diameter Tolerance (mm):</b>
± 0.002 Center to Center	<b>Dot Spacing Tolerance (mm):</b>
0.001	<b>Flatness (inches):</b>

## Optical Properties

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

## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 240:</b>

## 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.