10mm FL, 532nm, Visible Metalens Plate

Stock **#86-929** NEW **1 In Stock**

- 1 + **S$1,050**.00

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Volume Pricing	
Qty 1-9	**S$1,050.00** each
Qty 10+	**S$945.00** each
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SPECIFICATIONS

General

Note:
Black absorptive aperture applied to metasurface

Physical & Mechanical Properties

Dimensional Tolerance (mm):
+/-0.2

Thickness (mm):
0.70 ±0.07

Outer Dimensions (mm):
20.0 x 20.0

Inner Diameter (mm):
4

Optical Properties

Effective Focal Length EFL (mm):
10.00 ±2%

Substrate:
Eagle XG

Numerical Aperture NA:
0.196

Coating:
Broadband 420-670nm AR Coating, backside
Protective Overcoat, frontside

Coating Specification:
Broadband 420-670nm AR-Coating (Back surface only)
R_{abs} ≤1% from 420-670nm
R_{avg} ≤0.4% from 420-670nm

Design Wavelength DWL (nm):
532

Index of Refraction (n_d):
1.5198 (435.8 nm), 1.5078 (643.8 nm)

Transmission (%):
80

Regulatory Compliance

Certificate of Conformance:
View

PRODUCT DETAILS

- Flat, Space Saving Alternative to Traditional Lenses
- Nanostructure Design Enables Efficient Manipulation of Light
- Compact 0.7mm Thickness for Easy Integration into a Variety of Applications

Visible Meta-Lens Plates are designed with an innovative nanostructure design to manipulate and focus light, offering a highly compact and high-performance alternative to traditional curved lenses. Featuring ultra-thin Eagle XG substrates, these lens plates are available for 532nm and 632nm design wavelengths in a range of focal lengths. These meta-lenses are available in a single lens construction, where an individual meta-lens is centered on the

plate and surrounded by an absorptive aperture to reduce stray light, or an array construction, where one of each of the four smaller Meta-lenses are arranged on a single plate for versatility. Visible Meta-Lens Plates are ideal for low SWaP, LIDAR, imaging, and beam shaping applications.

Note: The Meta-lens surface is very delicate, and contact should be avoided during cleaning and handling. Visible Meta-lens Plates should be cleaned only using compressed air.