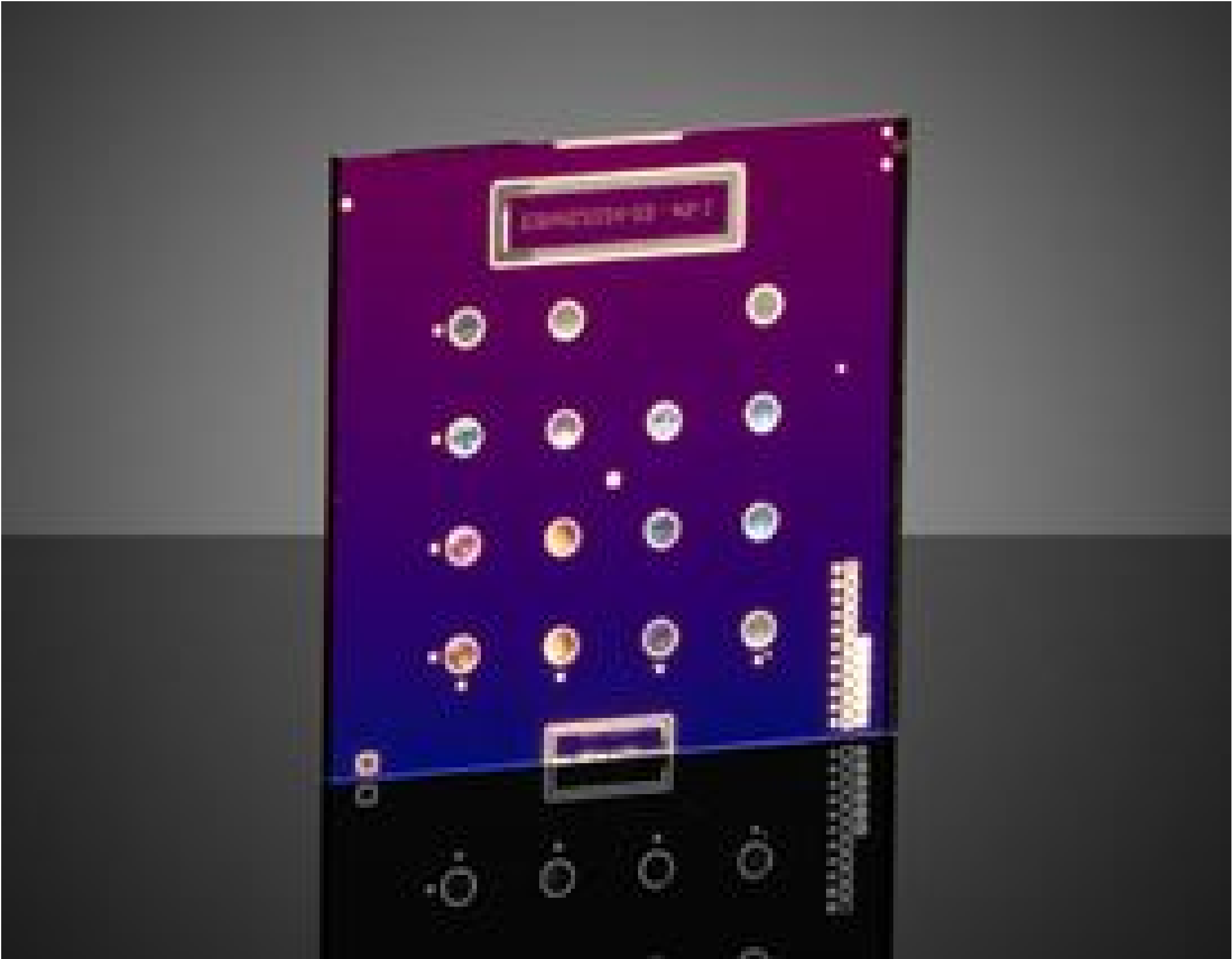


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Visible, 0.5-2.5mm FL, Visible Metalens Array



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1

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₹73,950

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General

Note:
Black absorptive aperture applied to metasurface

Physical & Mechanical Properties

0.70 ±0.07	Thickness (mm):
20.0 x20.0	Outer Dimensions (mm):
1	Inner Diameter (mm):

Optical Properties

Effective Focal Length EFL (mm):	
0.50 , 2.5 ±0.5%	
Substrate: □	
Eagle XG	
Numerical Aperture NA:	
0.196 (2.5mm FL lenses), 0.707 (0.5mm FL lenses)	
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, 632	
Index of Refraction (n _d):	
1.5198 (435.8 nm), 1.5078 (643.8 nm)	
Transmission (%):	
70 (2.5mm FL @ 532nm)47.5 (0.5mm FL @ 532nm)60 (2.5mm FL @ 632nm)46 (0.5mm FL @ 633nm)	

Regulatory Compliance

Certificate of Conformance:	
View	
Country of Origin:	
United States	
Imported By:	
Edmund Optics India Private Limited	

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.