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0.35mm Dia, 810nm DWL, 0.0mm WD, Uncoated, GRIN Lens

Stock **#88-355** **10 In Stock**

- 1 + **MRP** **₹9,231**

Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	**₹9,231** each
Qty 11-49	**₹8,173** each
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General

Type:

Gradient Index Lens

Physical & Mechanical Properties

Diameter (mm):

0.35 +0.00/-0.01

Clear Aperture (%):

90.00

Length (mm):

0.78

Pitch:

0.25

Length Tolerance (%):

±5

Optical Properties

Effective Focal Length EFL (mm):

0.30

Substrate:

Aluminosilicate Glass Embedded with Silver Ions

f/#:

0.96

Numerical Aperture NA:

0.55

Coating:

Uncoated

Wavelength Range (nm):

400 - 1600

Focal Length Specification Wavelength (nm):

810

Gradient Constant (mm^{-1}):

2.02

Index of Refraction (n_d) - Center of Lens:

1.62

Surface Quality:

40-20

Working Distance (mm):

0

Working Distance Tolerance (mm):

±0.02

Regulatory Compliance

RoHS 2015:

Compliant

Reach 219:

Compliant

Certificate of Conformance:

View

Country of Origin:

Germany

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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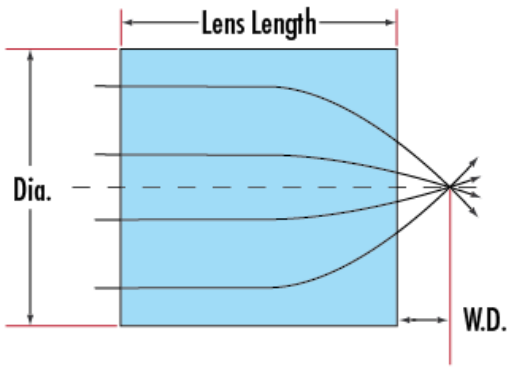
Product Details

- Ideal for Fiber Coupling and Laser Diode Applications
- Comparable Performance to Conventional Aspherical Singlets
- Multiple Sizes and Wavelength Options
- **GRIN Lens Grippers and Table Mounts** Available

Gradient Index (GRIN) Rod Lenses feature plane optical surfaces and achieve focus via a continuous change of the refractive index within the lens material. By eliminating complex geometries (such as aspherical surface figures) and carefully designing the lenses for specific working distances, these microlenses are comparatively easy to handle and integrate into optical systems. Gradient Index (GRIN) Rod Lenses are designed to provide a 0.55 numerical aperture. These Rod Lenses are available for purchase in 2 working distance options: 0 and 0.23 mm.

Lenses with a 0mm working distance are ideal for the collimation of single and multi-mode optical fibers and laser diodes because the lens can be positioned and glued directly to the emission source. For focusing applications, or in instances where the lens can't be in direct contact with the emission source, all lenses are available with a small working distance as well. Each lens is available uncoated (approximately 12% reflection loss), or with a BBAR coating option for R < 0.5%.

Technical Information


Lens Length
Dia.
W.D.

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