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Optotune 3mm Clear Aperture, VIS Coated, Electrically Focus Tunable Lens | EL-3-10-VIS-26D-FPC

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Stock #37-344 **10 In Stock**

C\$271.⁰⁰

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General

Specialty Lens	Type:
>1,000,000,000	Lifecycles:
EL-3-10-VIS-26D-FPC	Model Number:
<5 (80% step response)	Settling Time (ms):

Physical & Mechanical Properties

Clear Aperture CA (mm):

3

Outer Diameter (mm):

10.0

Thickness (mm):

4.00

Optical Properties

Substrate:

Low Dispersion Polymer

Coating:

BBAR (420-900nm)

Wavelength Range (nm):

420 - 900

Abbe Number (v_d):

100

Focus Range (mm):

-13 to +13 diopter
-77 to +77mm

Index of Refraction (n_d):

1.300

Transmitted Wavefront Error, RMS:

$0.2\lambda @ 525\text{nm}$

Damage Threshold, By Design:

$3\text{W/cm}^2 @ 1064\text{nm}$

Damage Threshold, CW:

$>1\text{ kW/cm}^2 @ 1064\text{nm}$

Electrical

Current (mA):

-120 to +120

Power Consumption (W):

0 - 0.12

Regulatory Compliance

Certificate of Conformance:

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Product Details

- Continuous Focusability
- Compact Size
- Wide Focal Adjustment Range

Optotune Focus Tunable Lenses 3mm Clear Aperture FPC Connector are easily integrated into a variety of Machine Vision applications including inspection, sorting, and bar code reading. By applying a current, the Optotune Focus Tunable Lenses 3mm Clear Aperture FPC Connector are able to quickly change shape from concave to convex, and provides an adjustment of -13 to +13 diopters (-77 to +77mm). With a small form factor of 10mm diameter x 4mm thick, low power consumption, and fast settling time, these lenses are the ideal option for OEM integration.