

Fast Axis Collimator

FAC200



Features and Advantages

Acylindrical lens for the collimation of the fast axis of diode lasers.

Product Specifications

Specification Data	Unit	Value
Material		High-Index IR (Ohara)
Width (W)	mm	0.37 ± 0.05
Thickness (T)	mm	0.326 ± 0.01
Clear aperture	mm ²	$(L-0.5) \times 0.27$
Refractive index n @ 940 nm		> 1.9
Effective focal length (EFL) @ 940 nm	mm	0.20
Back focal length (BFL) @ 940 nm	mm	0.03
Numerical aperture (NA)		0.8
Transmission	%	> 99
Power within an angle of ± 3.3 mrad ⁽¹⁾	%	> 85

Product Code

ZLE002142⁽³⁾

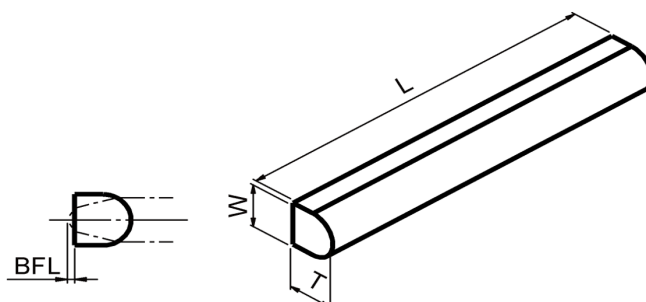
Specification Data	Unit	Value
Length (L)	mm	4.0 ± 0.05
AR-Coating	nm	785 - 810
Surface imperfections (DIN ISO 10110-7)		5/3x0.025; C3x0.1; L3x0.025; E ⁽²⁾

⁽¹⁾ Valid for an emitter-height of 1 μ m and no smile of the laser diode.

⁽²⁾ Chipping on short edge 0.2, chipping on long edge 0.08.

⁽³⁾ Example for customization — design, dimensions & coatings on request.

Product Drawing (mm)



Rev 04 | Updated July 16, 2026 | RoHS compliant 2011/65/EU and 2015/863/EU

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