

Fast Axis Collimator FAC1500 (BFL=150µm)



Features and Advantages

Aspherical cylindrical lens for the collimation of the fast axis of diode lasers.

Product Specifications

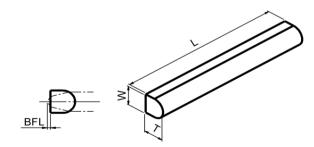
Specification Data		Unit	Value
Material			S-TIH53 (Ohara)
Width (W)		mm	2.0 ± 0.05
Thickness (T)		mm	2.46 ± 0.01
Refractive index n @ 808 nm			1.823
Effective focal length (EFL) @ 808 nm		mm	1.50
Back focal length (BFL) @ 808 nm		mm	0.150
Numerical aperture (NA)			0.7
Transmission		%	> 99
Power within an angle of ± 0.45 mrad ⁽¹⁾		%	> 85
Product Code			ZLE001960
Specification Data	Unit		Value
Length (L)	mm		12.0 ± 0.05
Clear aperture	mm²		11 x 1.9
AR-Coating	nm		790 - 990
Surface imperfections (DIN ISO 10110-7)			5/12x0.025; C2x0.1; L2x0.025; E ⁽²⁾

 $^{(1)}$ Valid for an emitter-height of 1 μm 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 February 14, 2025 | RoHS compliant 2011/65/EU and 2015/863/EU

1

LIMO GmbH