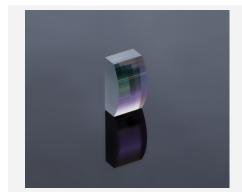


5/4x0.025; C3x0.1; 4x0.04; E0.15

1

Fast Axis Collimator FAC7700 (BFL=5 mm)



Features and Advantages

Aspherical cylindrical lens for the collimation of the fast axis of diode lasers. Optimized for nano-stack emitters and LiDAR applications with >99% power transmission.

Product Specifications

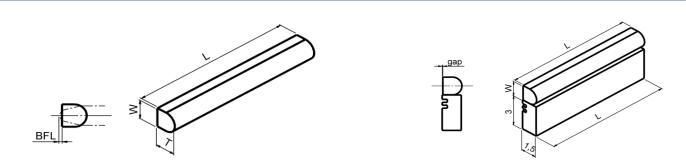
Specification Data		Unit	Value
Material			S-BSL7 (Ohara)
Width (W)		mm	7.50 ± 0.08
Thickness (T)		mm	4.10 ± 0.02
Refractive index n @ 905 nm			1.508
Effective focal length (EFL) @ 905 nm	1	mm	7.7
Back focal length (BFL) @ 905 nm		mm	5.0
Numerical aperture (NA)			0.48
Transmission		%	> 99
Power within an angle of ± 0.85 mrad	(FW0.1°) for 10 µm na	ano-stack ⁽¹⁾ %	> 80
Product Code		ZLE002310	ZLE002303
Specification Data ⁽²⁾	Unit	Value	
Length (L)	mm	3.2 ± 0.08	4.9 ± 0.05
Optimized for		4-channel nano-stack	8-channel nano-stack
Clear aperture	mm²	2.8 x 7.1	4.5 x 7.1
AR-Coating	nm	885 - 935	885 - 935

⁽¹⁾ Valid for no smile of the laser diode and using Osram SPL S4L90A nano stack.

 $^{\scriptscriptstyle (2)}$ Customized design, dimensions, coatings & mounted glass tabs on request.

Product Drawing (mm)

Surface imperfections (DIN ISO 10110-7)



5/4x0.025; C2x0.1; 3x0.04; E0.15

Rev 05 | Updated June 8, 2022 | RoHS compliant 2011/65/EU and 2015/863/EU

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