

product similar to image

### General Description:

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

### Advanced Optical Solutions

#### Specification Data

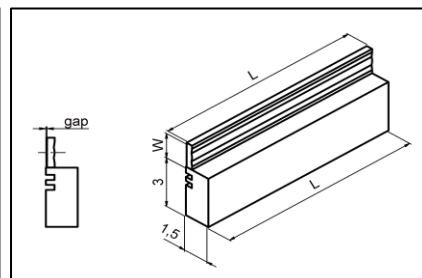
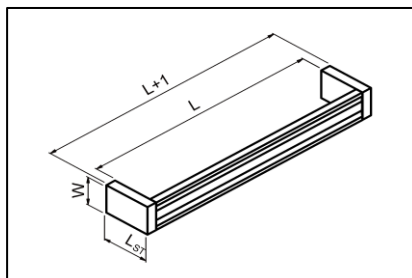
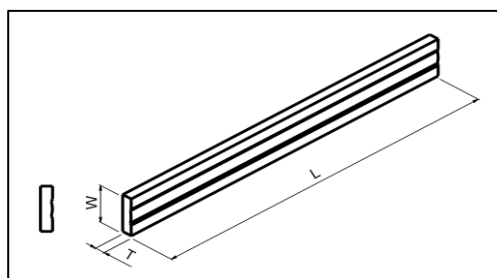
Specification Data	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	2.0 ± 0.05
	mm	12.0 ± 0.05
Width (W)	mm	1.5 ± 0.05
Thickness (T)	mm	0.36 ± 0.01
Clear aperture	mm <sup>2</sup>	(L-1) x 0.45
Surface quality @ 633 nm		λ/4 (typically)
Refractive index n @ 808 nm		1.823
Effective focal length (EFL) @ 808 nm	mm	0.29
Back focal length (BFL) @ 808 nm	mm	0.09
Numerical aperture (NA)		0.8
Transmission	%	> 99
Power within an angle of ± 2.3 mrad	%	> 85

#### Product Codes

AR-coating	Length 2mm	Length 12mm	Side Tabs (W <sub>ST</sub> = 2.4 mm)	Bottom Tab (gap = 0.05 mm)
600 - 700 nm, R<0.5%	ZLE001742	ZLE001654	optional	optional
790 - 990 nm, R<0.5%	ZLE001196	ZLE000167	MOD000394	MOD000238
1000 - 1600 nm, R<0.5% (avg.)	ZLE001746	ZLE001744	optional	optional

#### Options

- Customized coating
- Customized length
- Other dimensions or mounting blocks



NOTE: Optical design is included in ZEMAX lens catalog.

**RoHS compliant**  
2002/95/EG

Copyright © 2011 LIMO GmbH. All rights reserved. All LIMO products are patent pending. Subject to change without notice.

Version December 19, 2017