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General Description:

| Advanced Optical Solutions |

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

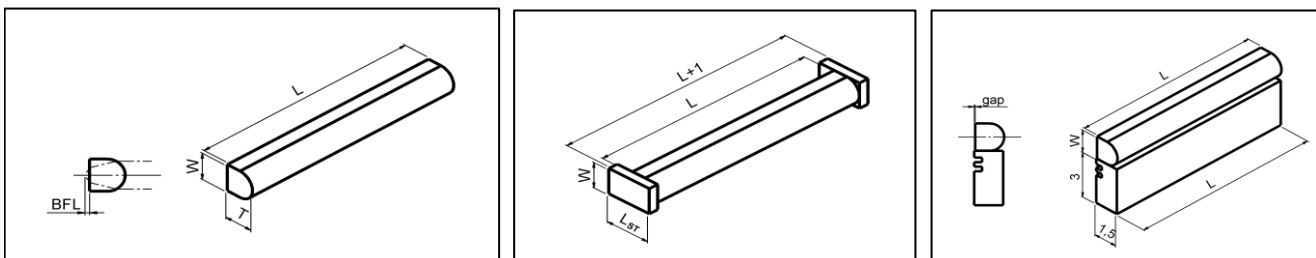
Specification Data	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	2.0 ± 0.05
	mm	12.0 ± 0.05
Width (W)	mm	1.0 ± 0.05
Thickness (T)	mm	0.8 ± 0.01
Clear aperture	mm ²	(L-1.0) x 0.9
Surface quality @ 633 nm		λ/4 (typically)
Refractive index n @ 808 nm		1.823
Effective focal length (EFL) @ 808 nm	mm	0.59
Back focal length (BFL) @ 808 nm	mm	0.15
Numerical aperture (NA)		0.8
Transmission	%	> 99
Power within an angle of ± 1.1 mrad	%	> 85

Product Codes

AR-coating	Length 2mm	Length 12mm	Side Tabs (L _{ST} = 2.4 mm)	Bottom Tab (gap = 0.1 mm)
600 - 700 nm, R<0.5%	ZLE000227	ZLE001319	optional	optional
790 - 990 nm, R<0.5%	ZLE000466	ZLE000115	MOD000256	MOD000362
1000 - 1600 nm, R<0.5% (avg.)	ZLE001734	ZLE001684	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

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