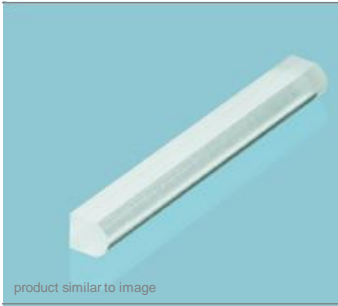


# FAC300 (BFL=80μm) - New optimized revision!



product similar to image

## General Description:

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

## | Advanced Optical Solutions |

*The new revision has an increased power content of >92% within  $\pm 2.2$  mrad and >97% of the energy within Gaussian distribution (negligible side peaks)*

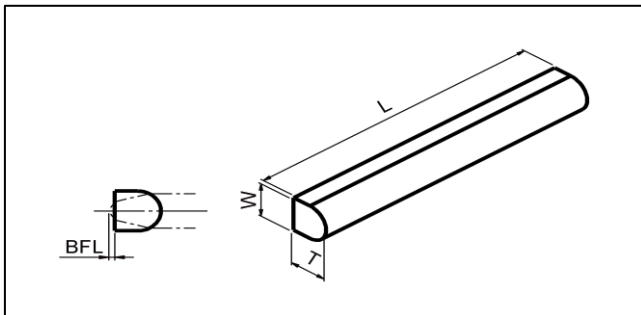
Specification Data	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	2.0, 3.0, 4.0 $\pm$ 0.05
Width (W)	mm	0.5 $\pm$ 0.05
Thickness (T)	mm	0.4 $\pm$ 0.01
Clear aperture	mm <sup>2</sup>	(L-0.5) x 0.4
Surface quality @ 633 nm		$\lambda/4$ (typically)
Refractive index n @ 976 nm		1.814
Effective focal length (EFL) @ 976 nm	mm	0.30
Back focal length (BFL) @ 976 nm	mm	0.08
Numerical aperture (NA)		0.7
Standard coating - AR	nm	770 - 1070
Transmission	%	> 99
Power within an angle of $\pm 2.2$ mrad	%	> 92
Power within Gaussian distribution	%	> 97 (negligible side peaks)

## Product Codes

AR-coating	Length 2mm	Length 3mm	Length 4mm
770 - 1070 nm	ZLE002075	ZLE002074	ZLE002076

## Options

- Customized coating
- Customized length



**RoHS compliant**  
2002/95/EG

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