

Fast Axis Collimator - FAC910



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General Description:

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

Advanced Optical Solutions |

Specification Data

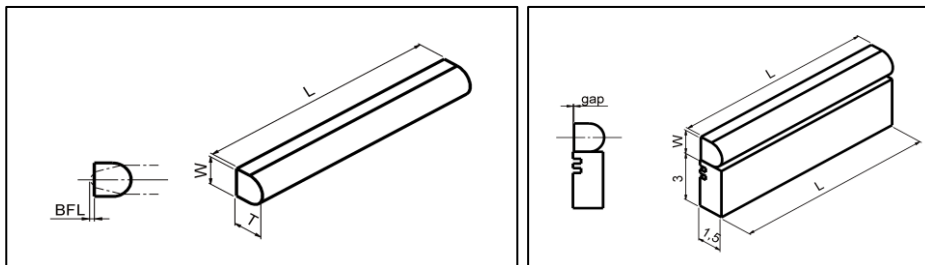
Specification Data	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	12.0 ± 0.05
Width (W)	mm	1.5 ± 0.05
Thickness (T)	mm	1.5 ± 0.01
Clear aperture	mm ²	(L-0.5) x 1.4
Surface quality @ 633 nm		λ/4 (typically)
Refractive index n @ 808 nm		1.823
Effective focal length (EFL) @ 808 nm	mm	0.91
Back focal length (BFL) @ 808 nm	mm	0.09
Numerical aperture (NA)		0.8
Transmission	%	> 99
Power within an angle of ± 0.7 mrad (*)	%	> 85

Product Codes

AR-coating	Length 12mm	Bottom Tab (gap = 0.05 mm)
600 - 700 nm	ZLE001410	optional
790 - 990 nm	ZLE000178	MOD000554
1000 - 1600 nm	ZLE000548	optional

Options

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



NOTE: Optical design is included in ZEMAX lens catalog.

(*) Valid for an emitter-height of 1µm and no smile of the laser diode.

RoHS compliant
2002/95/EG

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