

Fast Axis Collimator - FAC1100



General Description:

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

| **Advanced Optical Solutions** |

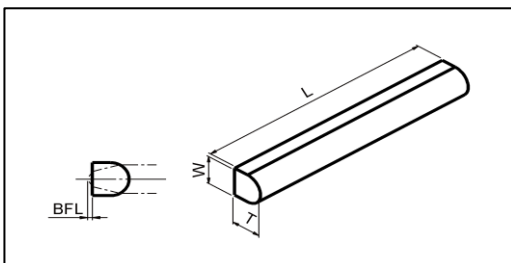
| Specification Data | Unit | Value |
|---|-----------------|-----------------|
| Material | | S-TIH53 (Ohara) |
| Length (L) | mm | 12.0 ± 0.05 |
| Width (W) | mm | 1.50 ± 0.05 |
| Thickness (T) | mm | 1.72 ± 0.01 |
| Clear aperture | mm ² | 11 x 1.4 |
| Surface quality @ 633 nm | | λ/4 (typically) |
| Refractive index n @ 950 nm | | 1.815 |
| Effective focal length (EFL) @ 950 nm | mm | 1.10 |
| Back focal length (BFL) @ 950 nm | mm | 0.152 |
| Numerical aperture (NA) | | 0.7 |
| Standard coating - AR | nm | 790 - 990 |
| Transmission | % | > 99 |
| Power within an angle of ± 0.6 mrad (*) | % | > 85 |

Product Codes

| AR-coating | Length 12mm |
|--------------|-------------|
| 790 - 990 nm | ZLE001955 |

Options

- Customized coating
- Customized length



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

RoHS compliant
2002/95/EG

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