

Semi-Standard F-Theta Lens DATA SHEET

# F-Theta FL580 for UV laser

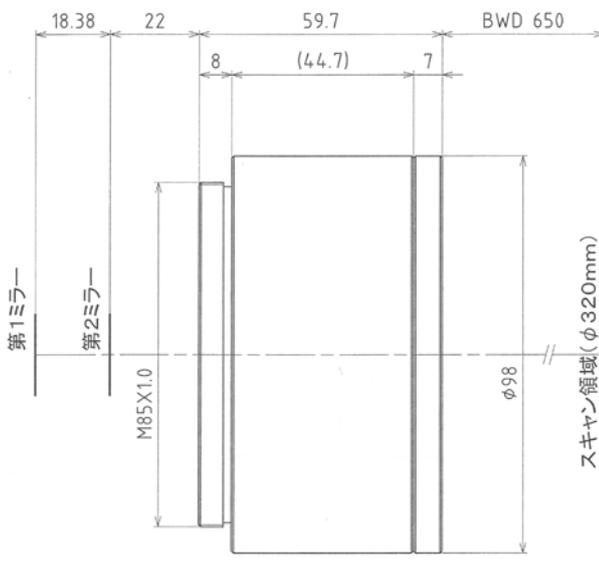
<P/N> **FU3F580E10R320A**

<Specifications>

Item	Spec
Wavelength	355nm
Effective Focal Length (FL)	580mm
Entrance Pupil Diameter (EPD)	ø10mm
Scan Area	ø320mm
F Number	58 <sup>1)</sup>
Distance between X&Y scan mirror	18.0mm
Distance from Y mirror to the input side of lens housing (FWD)	22.0mm
Working Distance(WD)	Approx. 650mm <sup>2)</sup>
Material	Fused Silica
Spot Diameter	Approx. ø41~42µm <sup>3)</sup>
Telecentric Error	<=12.2°
Transmittance	96.0%~ @355nm
Cover Window	Included (Replaceable)
Total Mass	Approx. 0.8kg
Mounting Screw Info.	M85

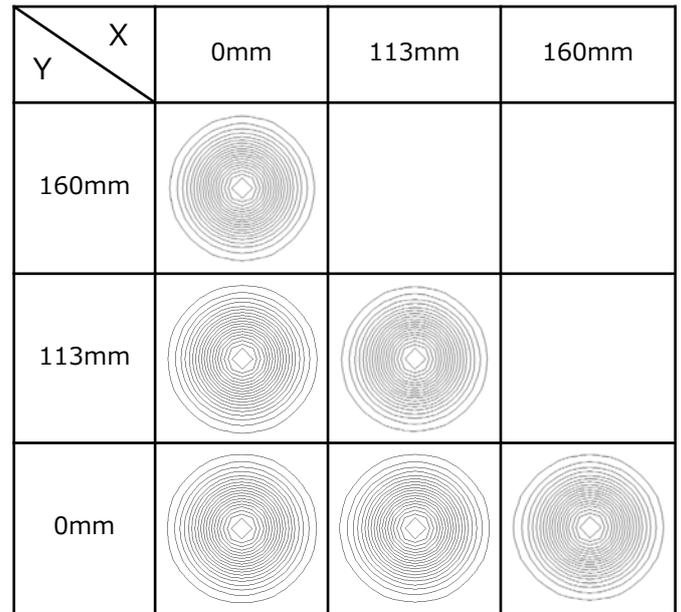
- 1) NA0.009
- 2) Under the condition of the collimated incident beam.
- 3) Simulated value of the 85% encircled energy diameter under condition of 7mm(1/e<sup>2</sup>) beam diameter single mode laser.

<Drawings>



\* Subject to change without notice.

<Point Spread Function Analysis>



50µm

- \* Contour maps of intensity distributions on the focal plane.
- \* Under condition of ø7mm(1/e<sup>2</sup>) gaussian incident beam, ignore the outside beam slope of ø10mm gaussian beam.



\* The photo is different from the real thing.

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\* Please use the web form for inquiries. A-010\_R2(2025.12)