

Standard F-Theta Lens DATA SHEET

F-Theta FL100.2 for UV laser

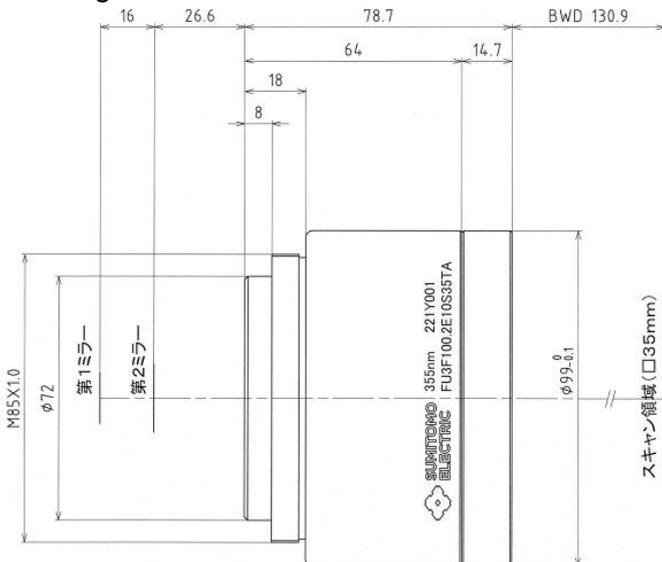
<P/N> FU3F100.2E10S35TA

<Specifications>

Item	Spec
Wavelength	355nm
Effective Focal Length (FL)	100.2mm
Entrance Pupil Diameter (EPD)	φ10mm
Scan Area	35mm Sq.
F Number	10 ¹⁾
Distance between X&Y scan mirror	16.0mm
Distance from Y mirror to the input side of lens housing (FWD)	26.6mm
Working Distance(WD)	Approx. 130.9mm ²⁾
Material	Fused Silica
Spot Diameter	Approx. φ6.5μm ³⁾
Telecentric Error	<=1.2°
Transmittance	97.0%~ @355nm
Cover Window	Included (Replaceable)
Total Mass	Approx. 2.0kg
Mounting Screw Info.	M85

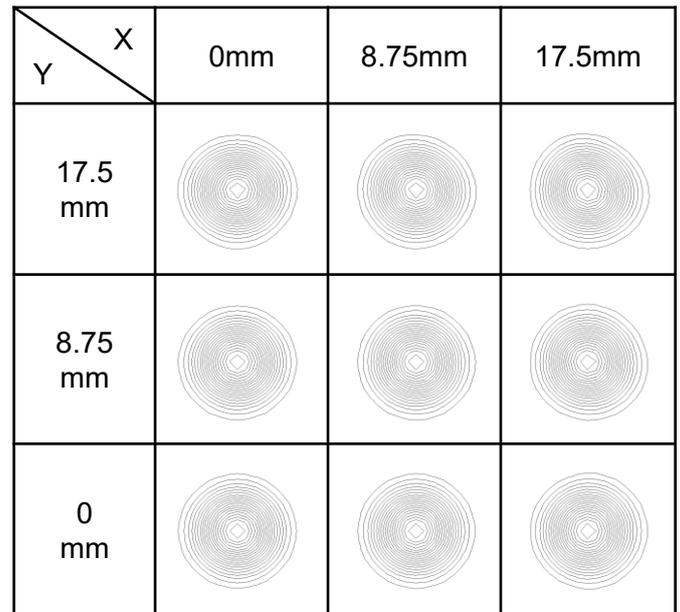
- 1) NA0.050
- 2) Under the condition of the collimated incident beam.
- 3) Simulated value of the 85% encircled energy diameter under condition of 10mm(1/e²) beam diameter single mode laser.

<Drawings>



* Subject to change without notice.

<Point Spread Function Analysis>



7μm

- * Contour maps of intensity distributions on the focal plane.
- * Under condition of φ10mm(1/e²) gaussian incident beam, ignore the outside beam slope of φ10mm gaussian beam.



* The photo is different from the real thing.

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SUMITOMO LENS

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