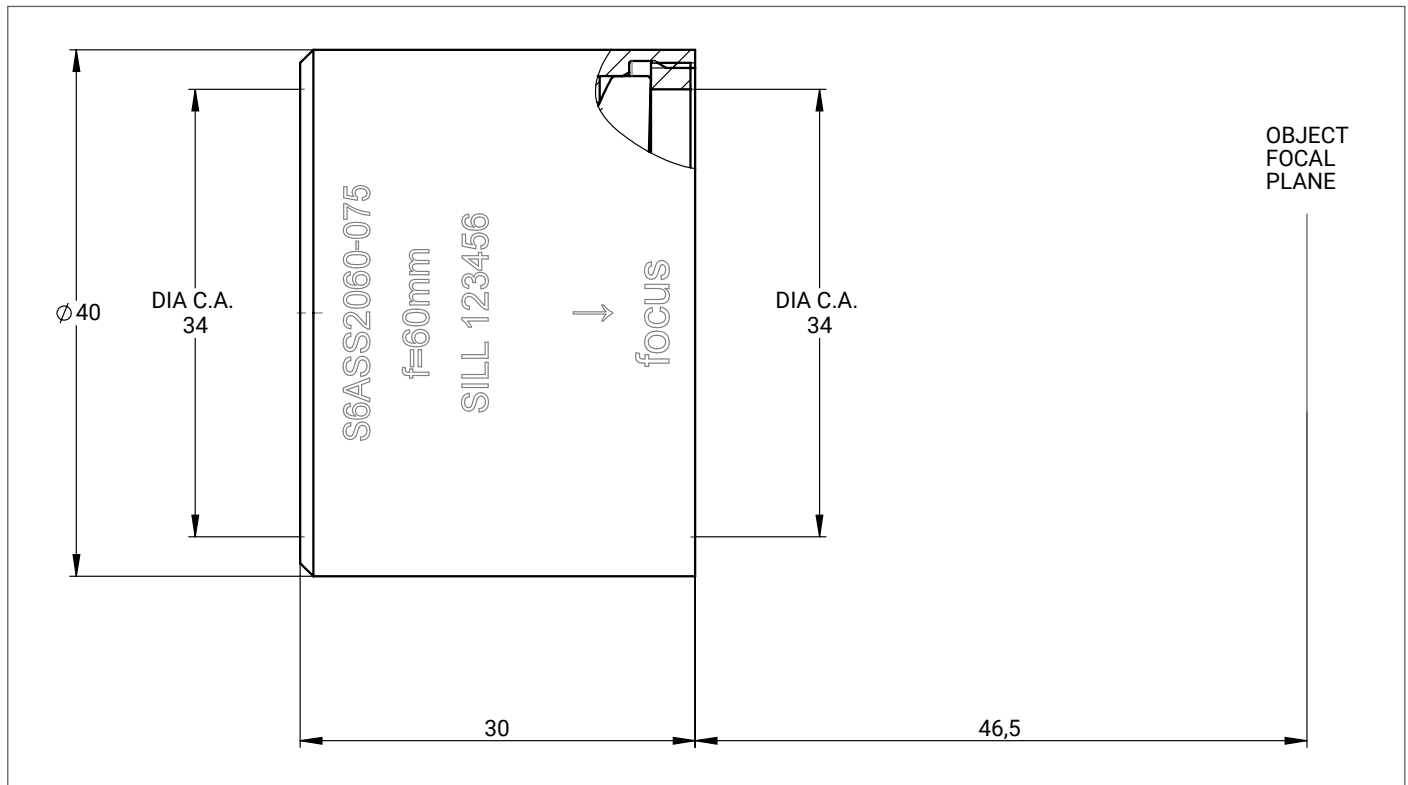


DATA SHEET

S6ASS2060-075

FOCUSING LENS FOR STANDARD LASER AT 355 nm

OUTLINE DRAWING



SPECIFICATIONS

article number	S6ASS2060-075	spot radius [μm] ³⁾	2.8
design wavelength [nm]	355	LIDT (coating) [J/cm^2]	1.0 J/cm ² per 1ns pulse at 50Hz
effective focal length [mm]	60.0	total transmission [%]	> 98
working distance [mm]	46.5	total number of lenses	3
clear input aperture [mm]	34.0	lens material	fused silica
clear output aperture [mm]	34.0	diameter [mm]	40.0
max. input beam diameter [mm]	32.0	length [mm]	30.0
wavefront error ¹⁾	<1/10 for 1/e ² diameter ²⁾ of 14.5	weight [kg]	0.1
¹⁾ Wavefront error peak to valley on axis proved by design			
²⁾ beam diameter vignettted at 1/e ²			
³⁾ spot radius in μm at 86% level for a Gaussian laser beam ($M^2=1$), with 14.5 mm diameter at 1/e ² , clipped at 1/e ²			
LIDT = Laser Induced Damage Threshold, valid for the coating at design wavelength and gaussian intensity profil			

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