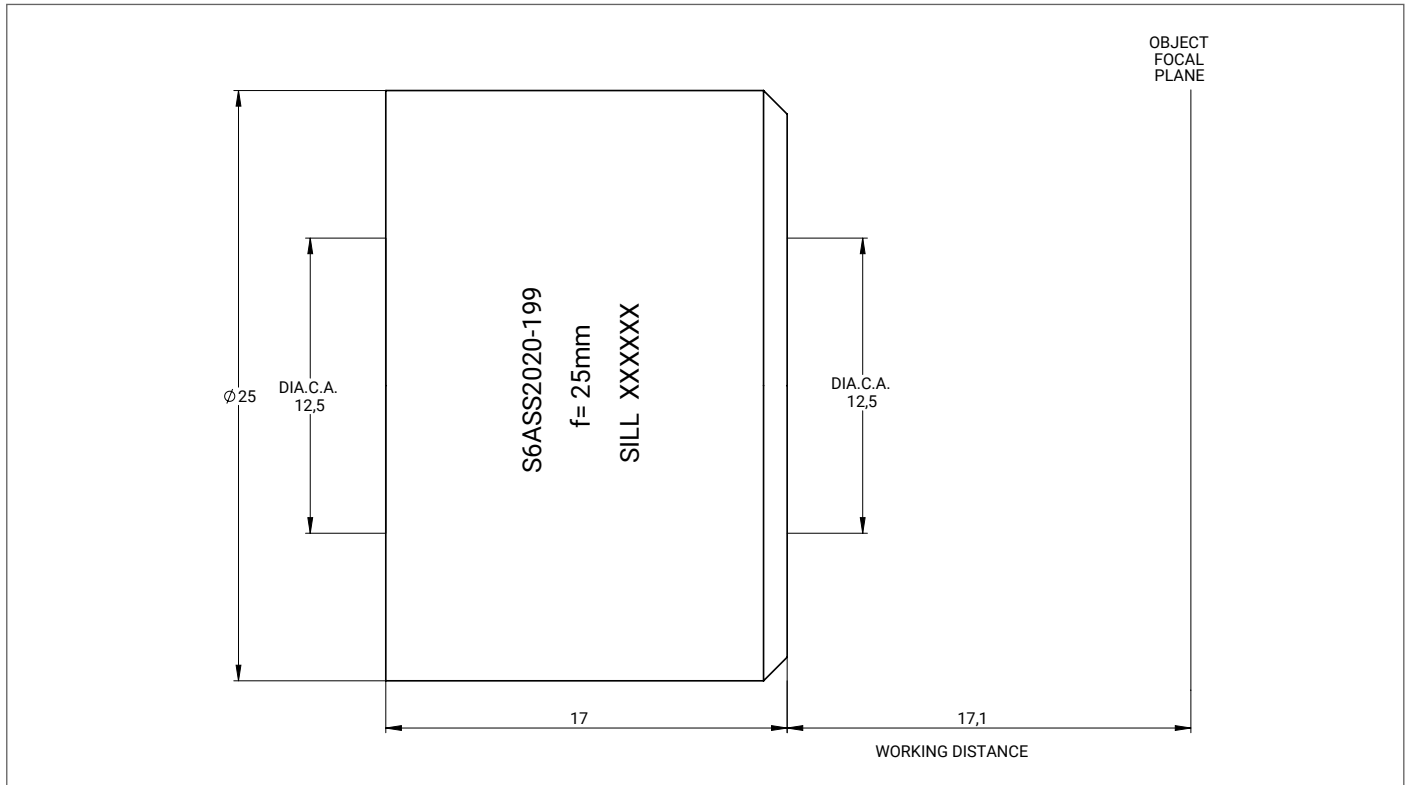


DATA SHEET

S6ASS2020-199

FOCUSING LENS FOR STANDARD LASER AT 266 nm

OUTLINE DRAWING



SPECIFICATIONS

article number	S6ASS2020-199	spot radius [μm] ³⁾	0.7
design wavelength [nm]	266	LIDT (coating) [J/cm^2]	5.0 J/cm^2 per 1ns pulse at 50Hz
effective focal length [mm]	24.0	total transmission [%]	> 98
working distance [mm]	17.1	total number of lenses	3
clear input aperture [mm]	12.5	lens material	fused silica
clear output aperture [mm]	12.5	diameter [mm]	25.0
max. input beam diameter [mm]	10.5	length [mm]	17.0
wavefront error ¹⁾	<1/10 for 1/e ² diameter ²⁾ of 9.0	weight [kg]	0.02
¹⁾ Wavefront error peak to valley on axis proved by design			
²⁾ beam diameter vignetted at 1/e ²			
³⁾ spot radius in μm at 86% level for a Gaussian laser beam ($M^2=1$), with 9.0 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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