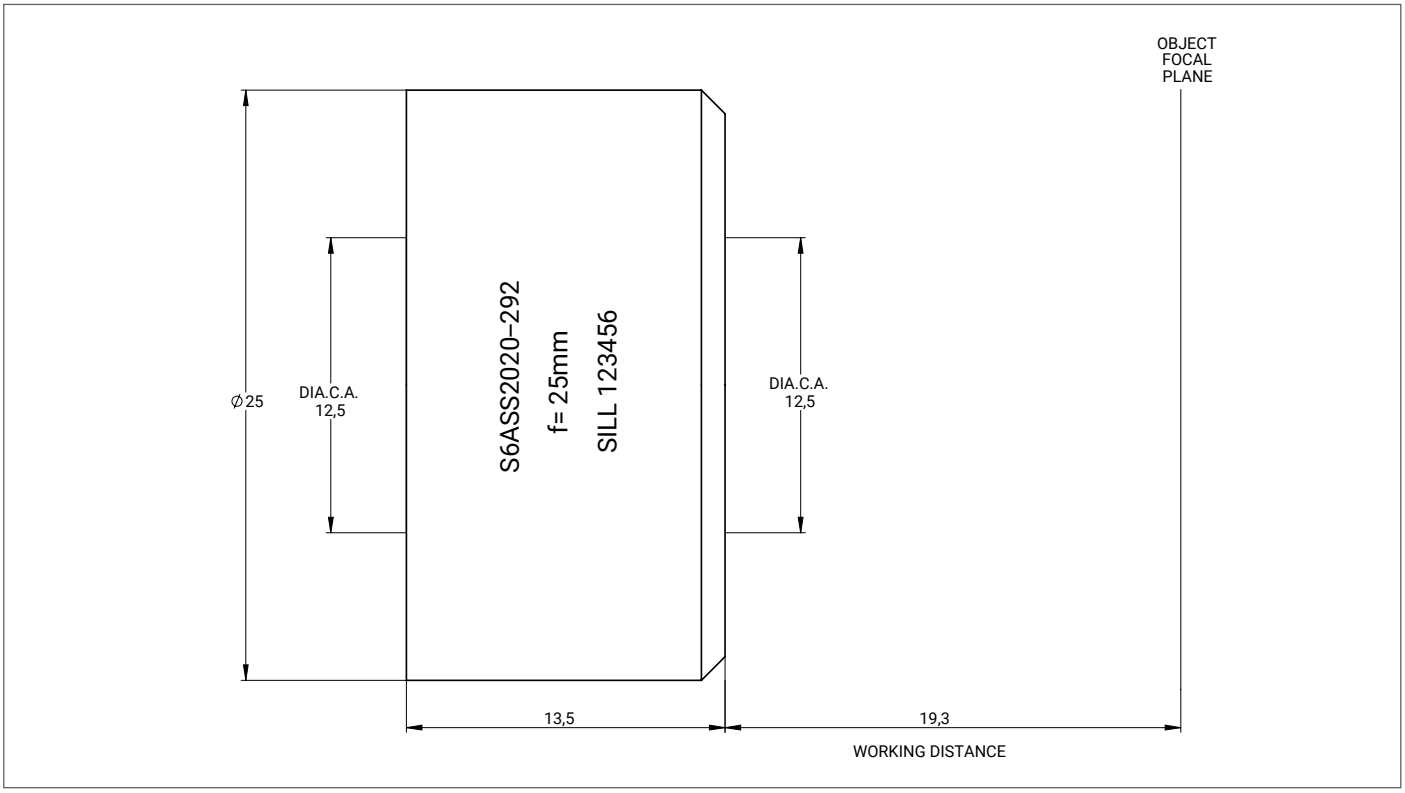
DATA SHEET

S6ASS2020-292

FOCUSING LENS FOR STANDARD LASER AT 515 - 545 nm

OUTLINE DRAWING



SPECIFICATIONS

article number	S6ASS2020-292	spot radius [µm] [3]	1.2
design wavelength [nm]	532	LIDT (coating) [J/cm²]	2.5 J/cm² per 1ns pulse at 50Hz
effective focal length [mm]	24.5	total transmission [%]	> 98
working distance [mm]	19.3	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]	12.5	length [mm]	13.5
wavefront error [1]	<l/10 for 1/e² diameter[2] of 10.5	weight [kg]	0.02

[1] Wavefront error peak to valley on axis proved by design

[2] beam diameter vignetted at 1/e²

[3] spot radius in µm at 86% level for a Gaussian laser beam (M²=1), with 10.5 mm diameter at 1/e², clipped at 1/e²

LIDT = Laser Induced Damage Threshold, valid for the coating at design wavelength and gaussian intensity profil

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