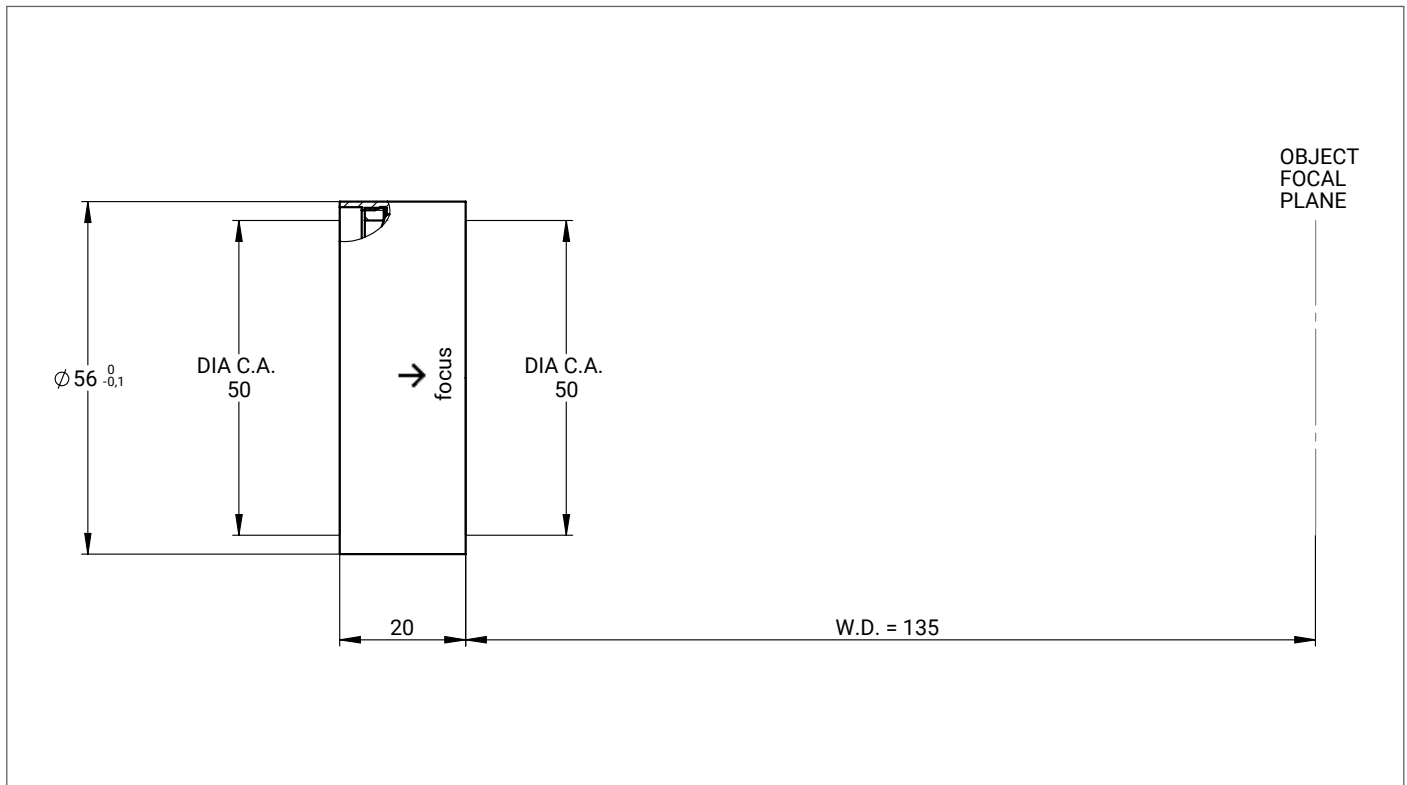


DATA SHEET

S6ASS6151-292

FOCUSING LENS FOR STANDARD LASER AT 515 - 545 nm

OUTLINE DRAWING



SPECIFICATIONS

article number	S6ASS6151-292	spot radius [μm] ³⁾	3.6
design wavelength [nm]	532	LIDT (coating) [J/cm ²]	2.5 J/cm ² per 1ns pulse at 50Hz
effective focal length [mm]	146.3	total transmission [%]	> 99
working distance [mm]	135.0	total number of lenses	2
clear input aperture [mm]	50.0	lens material	fused silica
clear output aperture [mm]	50.0	diameter [mm]	56.0
max. input beam diameter [mm]	48.0	length [mm]	20.0
wavefront error ¹⁾	<1/10 for 1/e ² diameter ²⁾ of 20.0	weight [kg]	not yet weighed
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 20.0 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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