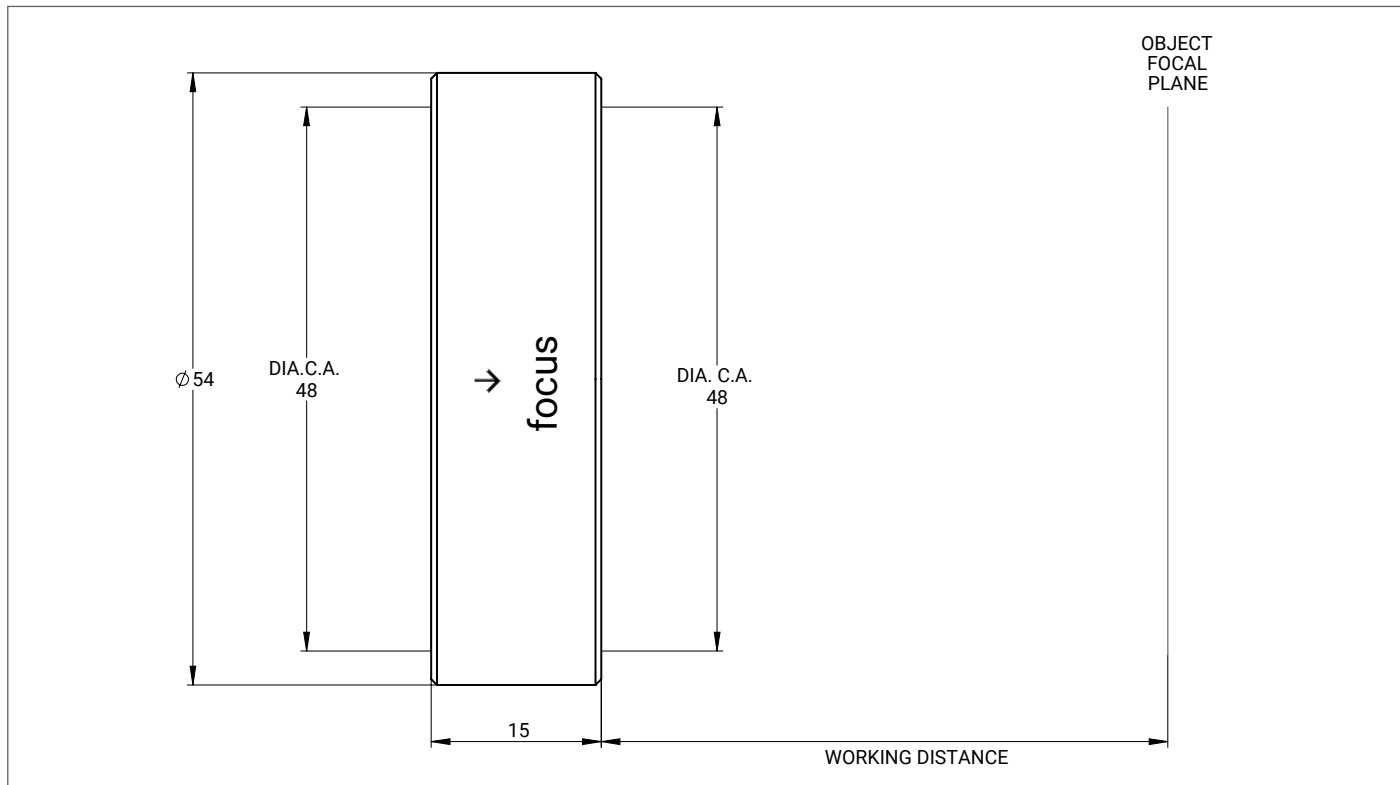


# DATA SHEET

## S6ASS6200-292

### FOCUSING LENS FOR STANDARD LASER AT 515 - 545 nm

#### OUTLINE DRAWING



#### SPECIFICATIONS

article number	S6ASS6200-292	spot radius [ $\mu\text{m}$ ] <sup>3)</sup>	3.3
design wavelength [nm]	532	LIDT (coating) [ $\text{J}/\text{cm}^2$ ]	2.5 $\text{J}/\text{cm}^2$ per 1ns pulse at 50Hz
effective focal length [mm]	196.1	total transmission [%]	> 98
working distance [mm]	188.5	total number of lenses	2
clear input aperture [mm]	48.0	lens material	fused silica
clear output aperture [mm]	48.0	diameter [mm]	54.0
max. input beam diameter [mm]	46.0	length [mm]	15.0
wavefront error <sup>1)</sup>	<1/10 for $1/e^2$ diameter <sup>2)</sup> of 30.5	weight [kg]	0.07
<sup>1)</sup> Wavefront error peak to valley on axis proved by design			
<sup>2)</sup> beam diameter vignetted at $1/e^2$			
<sup>3)</sup> spot radius in $\mu\text{m}$ at 86% level for a Gaussian laser beam ( $M^2=1$ ), with 30.5 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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