

DATA SHEET

S6EXZ9313-681

BEAMEXPANDER

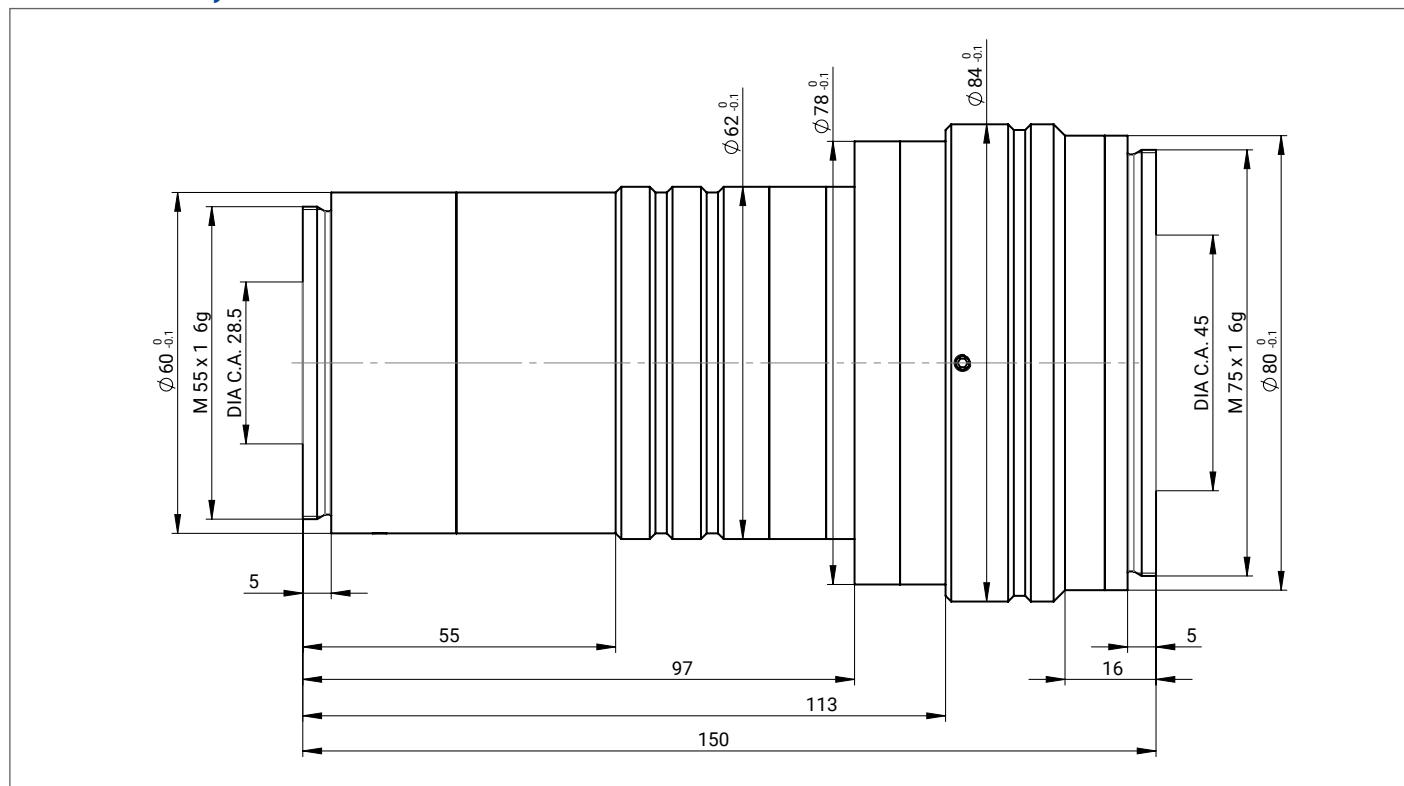
MAGNIFICATION 1.0 - 3.0

FOR 10600 nm

ZnSe



outline drawing



DATA SHEET

specifications

article number	S6EXZ9313-681
design wavelength [nm]	10600
magnification factor	1.0 - 3.0
divergence adjustable	yes
optical principle	Galilei (no internal focus)
pointing stability [mrad]	< 1
clear input aperture [mm]	28.5
clear output aperture [mm]	45.0
max. input beam-Ø [mm] ¹⁾	16.7 (1x) - 8.9 (3x)
total number of lenses	3
total transmission [%]	> 97
lens material	ZnSe
LIDT (coating) [J/cm²]	max. power 500 W
SP and USP usable	no
SP and USP usable, reversed usage	no
mounting thread	M55x1
weight [kg]	1.4
accessory	---

remarks

¹⁾clipped at $1/e^2$

magnification (reversed mode) = $1 / \text{magnification (regular mode)}$

divergence adjustment = 0 → collimated input beam results in collimated output beam

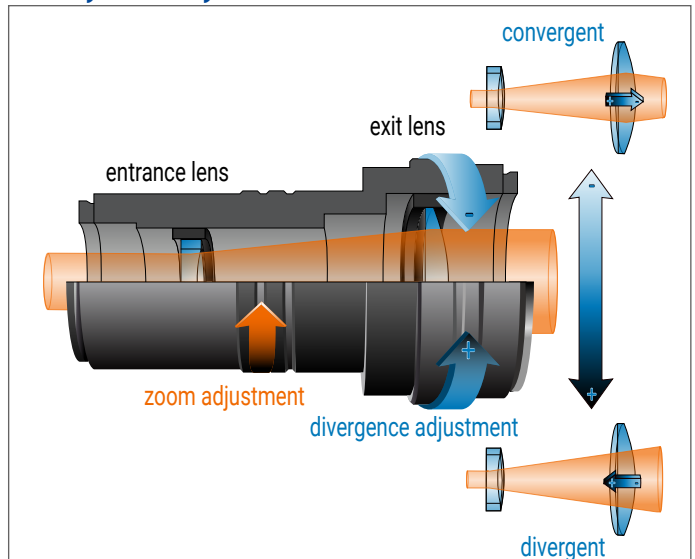
maximum divergence adjustment is $\pm 3 \text{ mm}$

RoHS compliant

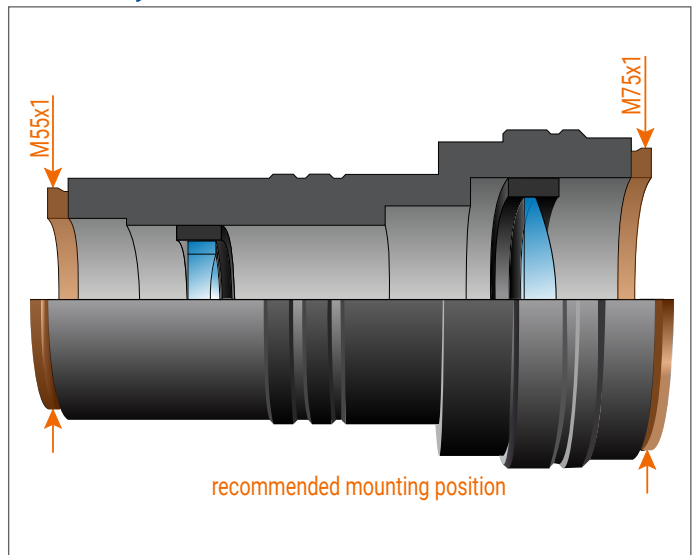
length at divergence setting „0“ stated in the drawing - length extension of max. 3 mm is possible

max vignetting of 1.0%

divergence adjustment



mounting positions



back reflection position

back reflections [mm]	
0.0	
back reflections reverse [mm]	
123.8	
0.00	
0.00	

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