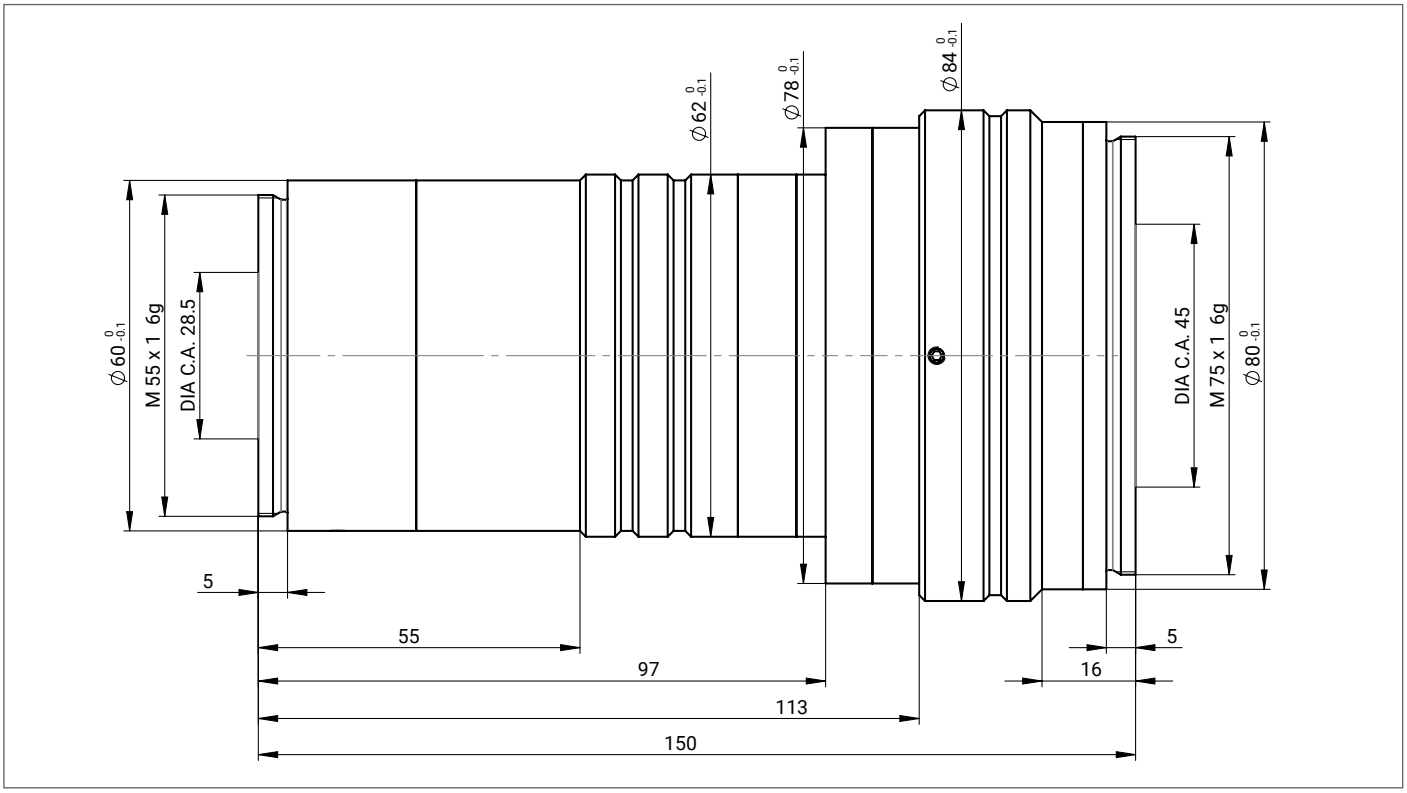
DATA SHEET

S6EXZ9313-684

BEAMEXPANDER
MAGNIFICATION 1.0 - 3.0
FOR 9300 nm
ZnSe



outline drawing



all information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all informationwithout guarantee. We reserve the right to make constructional changes in the course of product improvement. Copyright © Sill Optics GmbH • All rights reserved

Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 10.01.2025

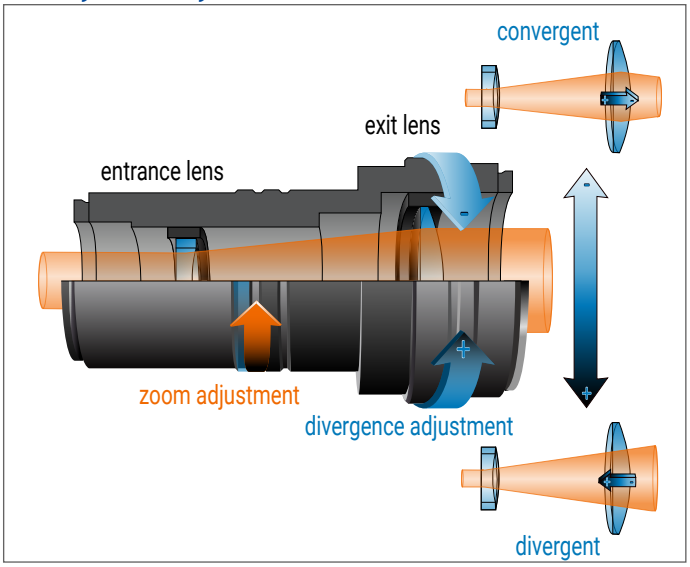
Sill OPTICS
www.sill optics.de

DATA SHEET

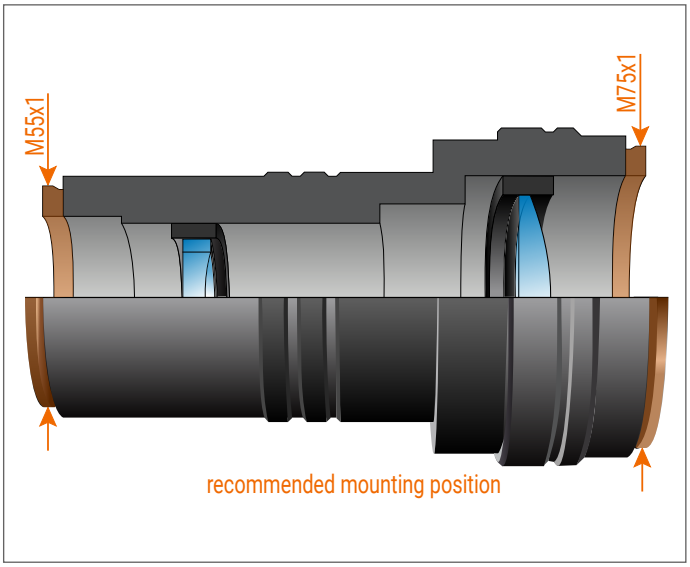
specifications

article number	S6EXZ9313-684
design wavelength [nm]	9300
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	---

divergence adjustment



mounting positions

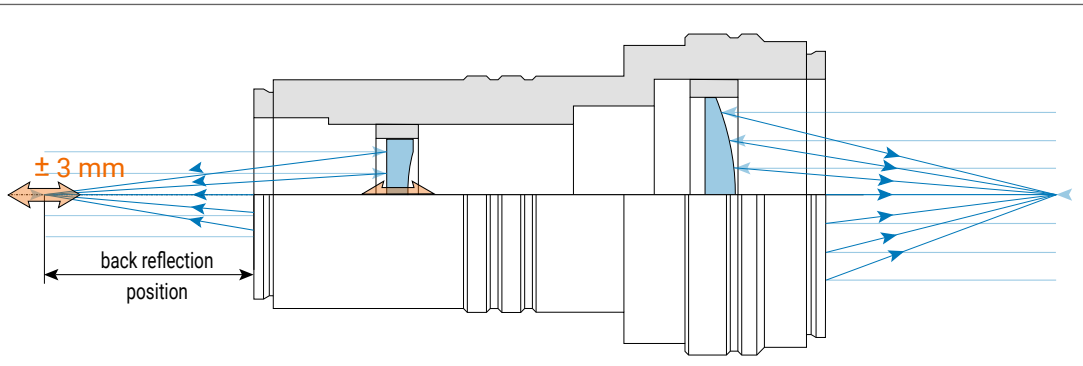


remarks

[1)]clipped at 1/e²
magnification (reversed mode) = 1 / magnification (regular mode)
divergence adjustement = 0 → collimated input beam results in collimated output beam
maximum divergence adjustment is ± 3 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%

back reflection position

back reflections [mm]
0.0
back reflections reverse [mm]
122.3
0.00
0.00



all information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all informationwithout guarantee. We reserve the right to make constructional changes in the course of product improvement. Copyright © Sill Optics GmbH • All rights reserved

Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 10.01.2025

Sill OPTICS
www.sill optics.de