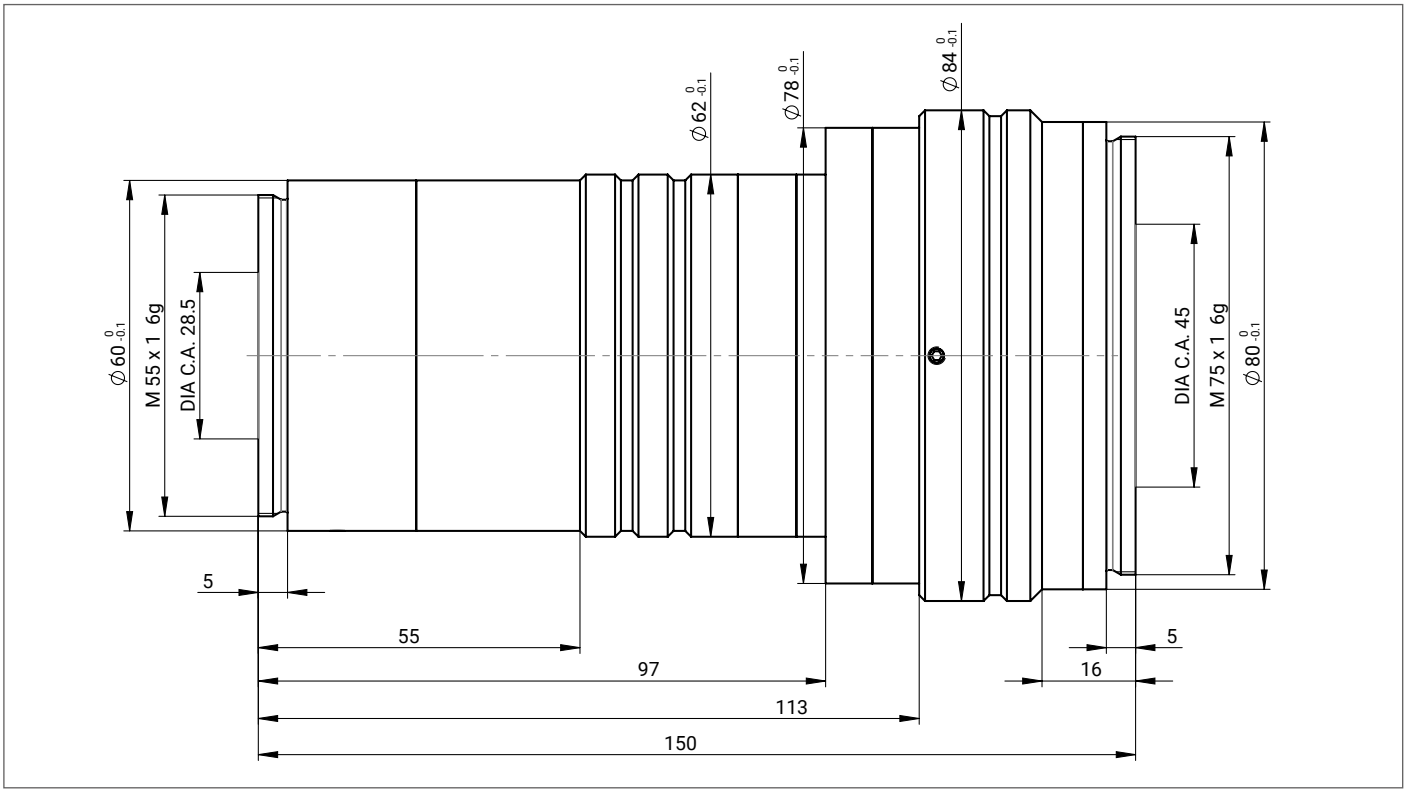
DATA SHEET

新特光电
Sintec Optronics

S6EXZ9313-684

BEAMEXPANDER
MAGNIFICATION 1.0 - 3.0
FOR 9300 nm
ZnSe

outline drawing



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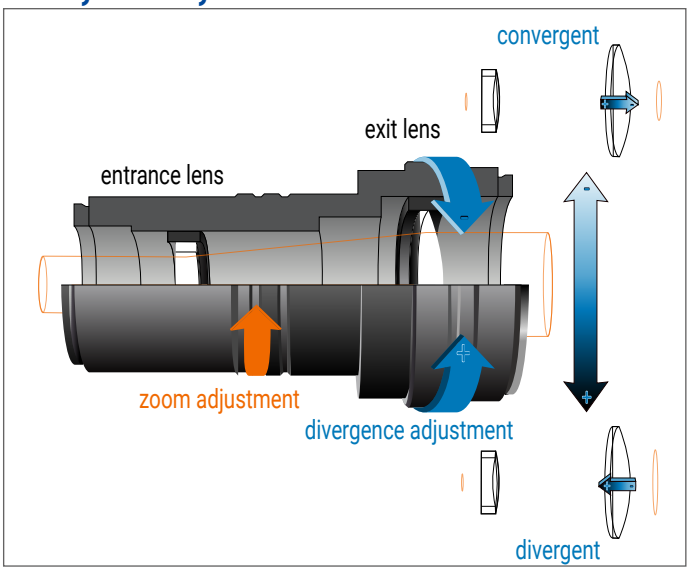
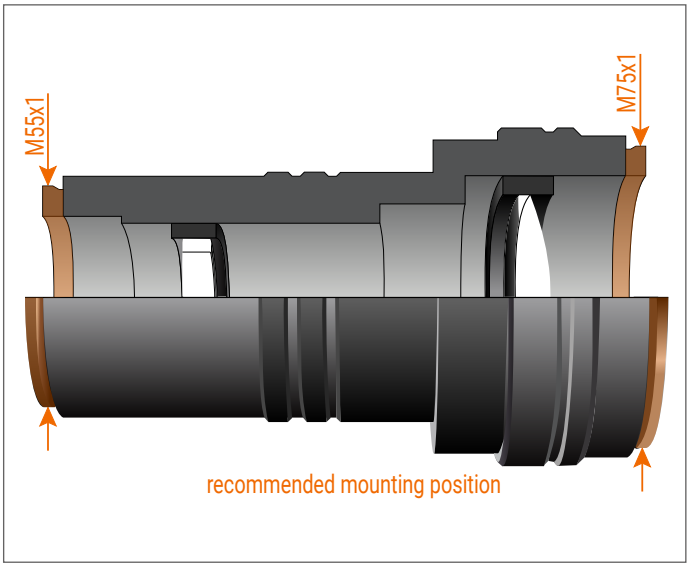
specifications

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