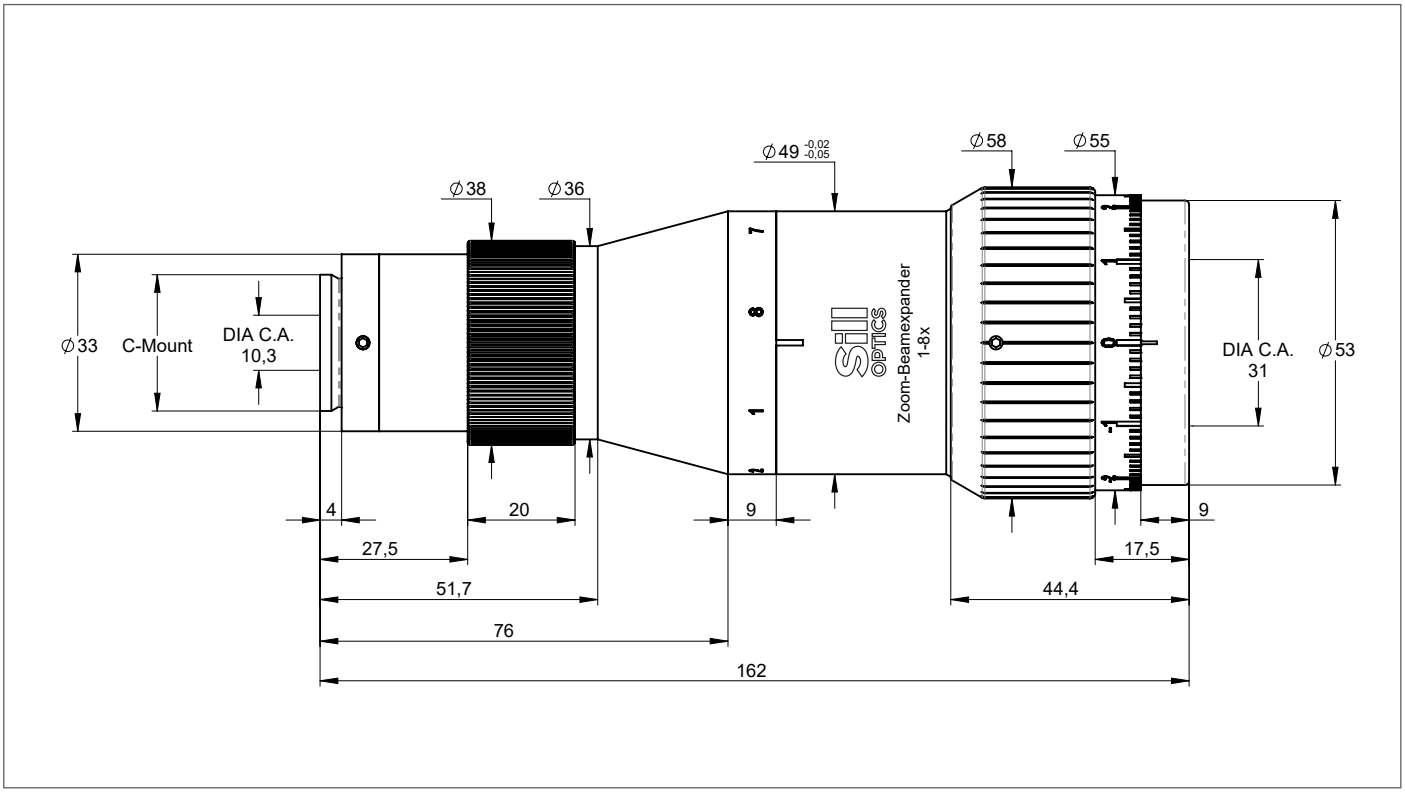
DATA SHEET

S6EXZ5076-292

BEAMEXPANDER
MAGNIFICATION 1.0 - 8.0
FOR 515 - 545 nm
FUSED SILICA

OUTLINE DRAWING



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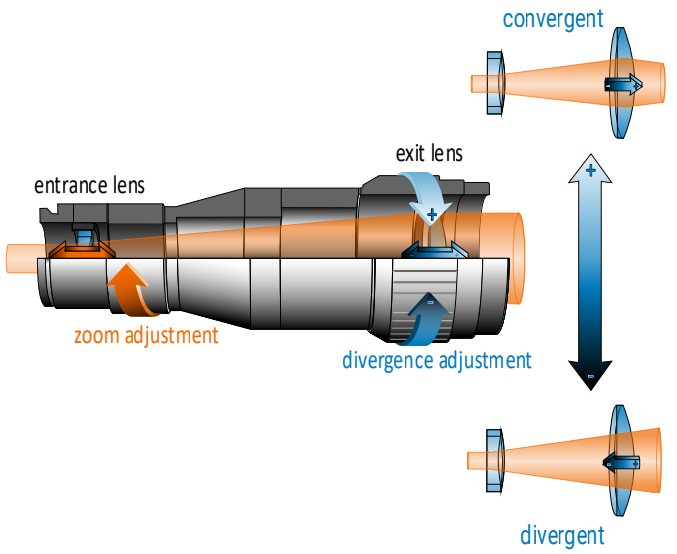
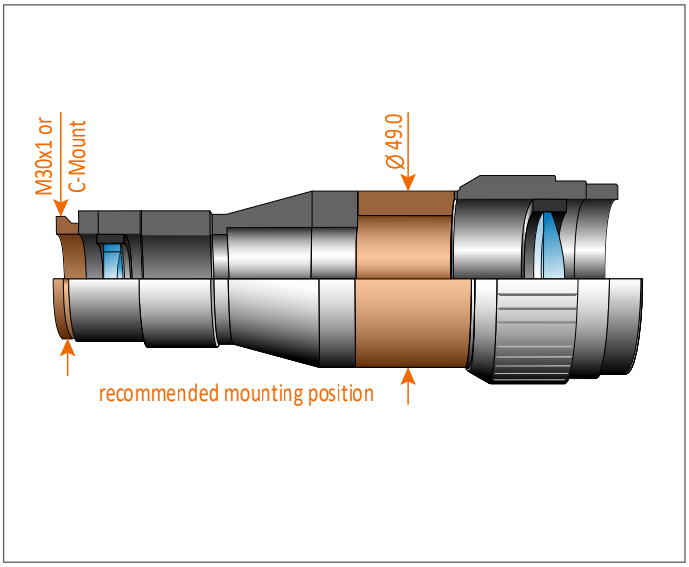
SPECIFICATIONS

article number	S6EXZ5076-292
design wavelength [nm]	532
magnification factor	1.0 - 8.0
divergence adjustable	yes
optical principle	Galilei (no internal focus)
pointing stability [mrad]	< 1
clear input aperture [mm]	10.3
clear output aperture [mm]	31.0
max. input beam-Ø [mm][1)]	9.0 (1x) - 3.5 (8x)
total number of lenses	4
total transmission [%]	> 97
lens material	fused silica
LIDT (coating) [J/cm²]	2.5 J/cm² per 1ns pulse at 50Hz
SP and USP usable	yes
SP and USP usable, reversed usage	no
mounting thread	C-Mount
weight [kg]	0.6
accessory	S6MEC2530 - adapter C-mount to M30x1, adjustable mount S5SET0150 with adapter S6MEC5075

DIVERGENCE ADJUSTMENT



MOUNTING POSITIONS

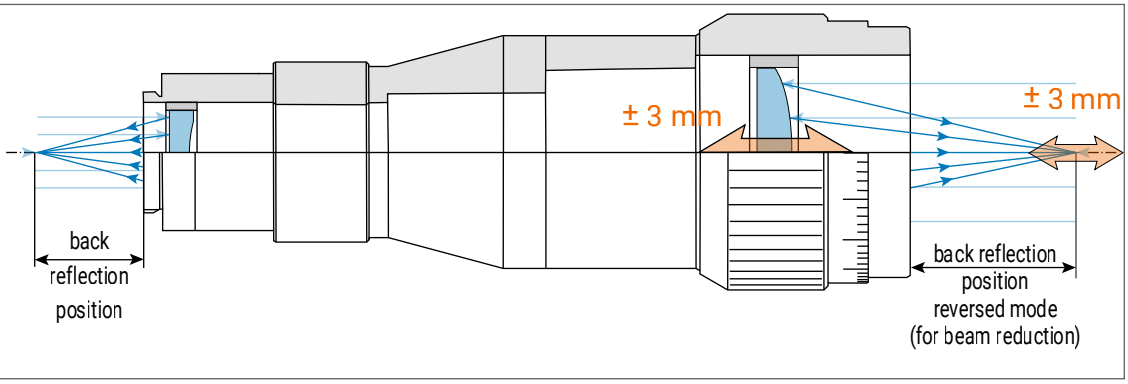


REMARKS

[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

BACK REFLECTION POSITION

back reflections [mm]
0.0
back reflections reverse [mm]
500.00
63.40
0.00



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