

新特光电
Sintec Optronics

Technical drawing of a laser diode component, showing dimensions and part number.

Dimensions (mm):

- Overall length: 85
- Overall width: $\varnothing 46$
- Mounting flange width: 16,1
- Mounting flange thickness: 5
- Central body width: 21
- Central body length: 12
- Central body thickness: 4,5
- Mounting flange outer diameter: $\varnothing 42$
- Mounting flange inner diameter: $\varnothing 37,6$
- Mounting flange thread: M30x1 6g
- Central body thread: M43x0,5 6g
- Central body outer diameter: $\varnothing 37,6$ (tolerance: $-0,02$ to $-0,05$)

Part Number: 123456

Wavelength: 1030-1090nm

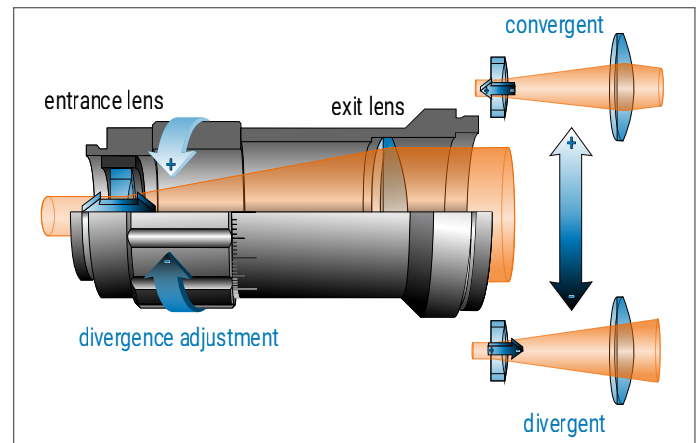
Power: 0,5X

Series: S6EXF0005-328

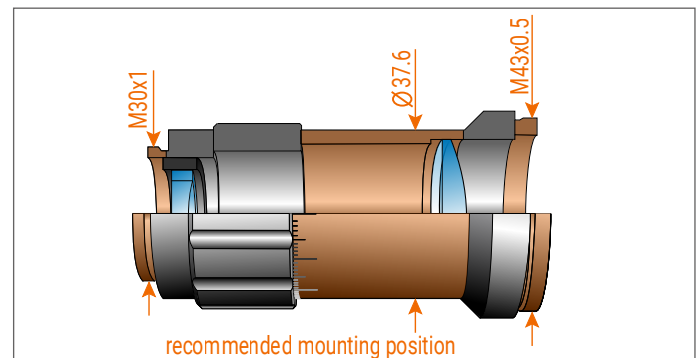
SPECIFICATIONS

article number	S6EXP0005-328
design wavelength [nm]	1064
magnification factor	0.5
divergence adjustable	yes
optical principle	Galilei (no internal focus)
pointing stability [mrad]	< 1
clear input aperture [mm]	14.0
clear output aperture [mm]	31.0
recommended beam-Ø [mm] ¹⁾	7.5
total number of lenses	2
total transmission [%]	> 99
lens material	fused silica
LIDT (coating) [J/cm²]	5.0 J/cm² per 1ns pulse at 50Hz
SP and USP usable	yes
SP and USP usable, reversed usage	yes
mounting thread	M30x1
weight [kg]	0.3
accessory	S6MEC0107 - adapter M30x1 to C-mount

DIVERGENCE ADJUSTMENT



MOUNTING POSITIONS



REMARKS

¹⁾clipped at $1/e^2$; wavefront error on axis (PV) < $\lambda/10$ (value provided by design)

magnification (reversed mode) = 1 / magnification (regular mode)

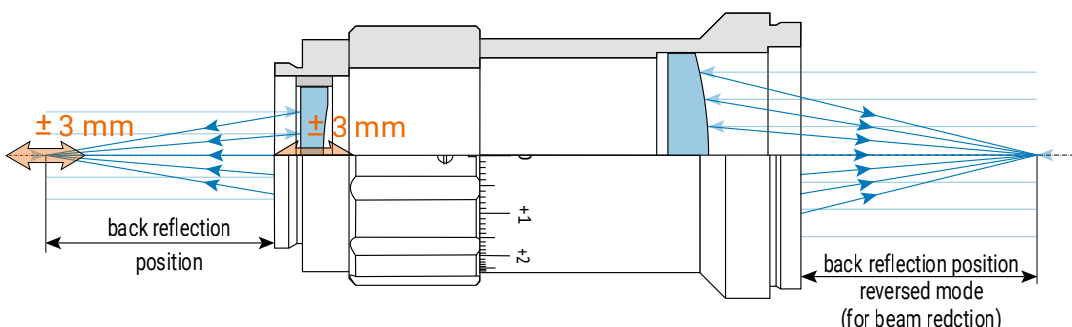
divergence adjustment = 0 → collimated input beam results in collimated output beam

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]	
5.6	
back reflections reverse [mm]	
7.70	
0.00	
0.00	