

[OEPAS-FOC-HIG]

High Power Fiber Collimators (Wavelength from 300 to 2000 nm)

Features:

- Wide wavelength range (300 - 5000 nm)
- Standard and custom-made products
- Adjustable output beam size collimator
- Single mode, polarization maintaining fibre, multimode fibre versions
- Fibre pigtailed or receptacle type
- Fixed or adjustable versions
- One fibre, dual fibre versions
- Low insertion loss
- Aspheric lens, GRIN lens and multi-element lens
- House material: stainless steel or aluminium
- Epoxy-Free Optical Path for high power version
- Beam size up to 100 mm
- Environmentally stable
- Low cost

Applications:

- Telecommunications
- Fibre optical devices and components
- Lasers and detectors
- Instrumentation
- Biomedical
- Sensor
- Alignment and targeting



Product description:

The fiber collimator and focuser can be used either to produce a collimated beam from the fiber output, or to receive an already collimated beam and focus the light into a fiber. Both standard and customized collimator products are available, fiber pigtailed or receptacle type. Both fixed and adjustable collimators and focusers can be provided to meet different customer applications.

High Power Collimator Specifications

Model number	Collimator Size (DxL), mm	Operation Wavelength, nm	Output Beam Size, mm	Back Reflection, dB	Max Optical Power, W
OEPA-FOC-HIG-401	13 x 24	300 - 2600	2.4	< 20	200
OEPA-FOC-HIG-402	37 x 50	300 - 2600	7.2	< 20	50
OEPA-FOC-HIG-403	33 x 45	300 - 2600	5.5	< 20	50
OEPA-FOC-HIG-404	33 x 45	300 - 2600	5.5	< 20	50
OEPA-FOC-HIG-405	35 x 70	1060	5	< 20	200
OEPA-FOC-HIG-406	13 x 24	980	6	< 20	200
OEPA-FOC-HIG-407	13 x 50	1064	4.2	< 20	200
OEPA-FOC-HIG-411	30 x 26	1064	2.8	< 20	200
OEPA-FOC-HIG-421	22 x 57	2000	5	< 50	100
OEPA-FOC-HIG-422	25 x 79	2000	9	< 50	100
OEPA-FOC-HIG-423	35 x 89	2000	11	< 50	100

Notes:

Working distance: custom made
 Fiber type: SM, MM, PM, DCF
 Operation temperature: -20 to 60°C
 Storage temperature: -45 to 85°C
 Output beam size estimated for a single mode fiber with NA=0.12.

Ordering number:

OEPA-FOC-HIG-NNN-WL-WD-P:	
where:	NNN: Model Number WL: Wavelength (nm) WD: Working Distance (mm) P: Power handling (mW)
Example:	OEPA-FOC-HIG-407-1060-200-100