O/E LAND INC.
7639 Cordner
Lasalle, QC, Canada, H8N 2X2
Tel:1-514-334-4588
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www.o-eland.com

[OEPAS-FOC-STD]

Standard Fiber Collimators and Focusers

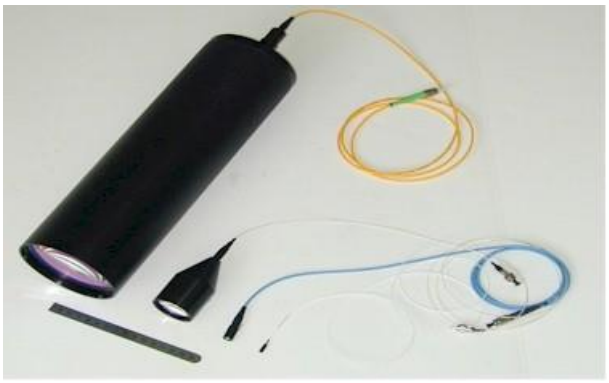
(Wavelength from 300 to 5000 nm)

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



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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.

Standard Fiber Pigtailed Collimator Specifications

Model number	Collimator Size (DxL), mm	Operation Wavelength, nm	Output Beam Size, mm	Back Reflection, dB	Max Optical Power, mW
OEPAS-FOC-STD-201	9 x 13	350 - 1700	1.10	< 20	500
OEPAS-FOC-STD-202	4 x 10	300 - 2600	0.55	< 20	500
OEPAS-FOC-STD-204	4 x 10	300 - 2600	0.30	< 20	500
OEPAS-FOC-STD-205	9 x 12	300 - 2600	0.85	< 20	500
OEPAS-FOC-STD-207	8 x 9	300 - 2600	0.74	< 50	500
OEPAS-FOC-STD-208	8 x 9	300 - 2600	0.66	< 50	500
OEPAS-FOC-STD-211	8 x 19	300 - 2600	3.67	< 20	500
OEPAS-FOC-STD-212	8 x 28	300 - 2600	0.66	< 20	500
OEPAS-FOC-STD-214	12 x 12	300 - 2600	1.92	< 20	500
OEPAS-FOC-STD-222	9 x 21	300 - 2600	2.36	< 50	500
OEPAS-FOC-STD-223	2 x 10	300 - 2600	0.55	< 20	500
OEPAS-FOC-STD-224	8 x 14	300 - 2600	2.30	< 20	500
OEPAS-FOC-STD-225	9 x 23	300 - 2600	4.42	< 20	500
OEPAS-FOC-STD-260	8 x 6	300 - 2600	0.36	< 20	500
OEPAS-FOC-STD-261	8 x 7	300 - 2600	0.48	< 20	500
OEPAS-FOC-STD-262	8 x 17.5	300 - 2600	1.13	< 20	500
OEPAS-FOC-STD-271	42 x 80	300 - 2600	19.20	< 20	500
OEPAS-FOC-STD-272	14 x 26	300 - 2100	4.32	< 20	500
OEPAS-FOC-STD-273	17 x 48	300 - 2600	9.14	< 20	500
OEPAS-FOC-STD-274	29 x 84	300 - 2600	18.00	< 20	500

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Standard FC Receptacle Type Collimator Specifications

Model number	Collimator Size (DxL), mm	Operation Wavelength, nm	Output Beam Size, mm	Back Reflection, dB	Max Optical Power, mW
OEPAS-FOC-STD-301	25.4 x 23	300 - 2600	0.3	< 20	500
OEPAS-FOC-STD-302	25.4 x 23	300 - 2600	1.5	< 50	500
OEPAS-FOC-STD-303	37.3 x 23	300 - 2600	0.3	< 20	500
OEPAS-FOC-STD-304	37.3 x 23	300 - 2600	1.5	< 20	500
OEPAS-FOC-STD-305	25.4 x 23	300 - 2600	0.86	< 20	500
OEPAS-FOC-STD-321	25.4 x 23	300 - 2600	2.4	< 20	500
OEPAS-FOC-STD-322	25.4 x 23	400 - 1700	2.4	< 20	500
OEPAS-FOC-STD-323	25.4 x 23	400 - 1700	2.4	< 50	500
OEPAS-FOC-STD-324	25.4 x 23	400 - 2300	3.0	< 50	500
OEPAS-FOC-STD-351	25.4 x 28	300 - 2600	1.8	< 20	500
OEPAS-FOC-STD-352	25.4 x 28	300 - 2600	2.5	< 20	500
OEPAS-FOC-STD-353	25.4 x 28	300 - 2600	2.0	< 20	500
OEPAS-FOC-STD-354	37.3 x 28	300 - 2600	2.9	< 20	500
OEPAS-FOC-STD-355	37.3 x 28	300 - 2600	3.0	< 20	500
OEPAS-FOC-STD-356	50.8x 45	300 - 2600	6.8	< 20	500

Standard SMA Receptacle Type Collimator Specifications

Model number	Collimator Size (DxL), mm	Operation Wavelength, nm	Output Beam Size, mm	Back Reflection, dB	Max Optical Power, mW
OEPAS-FOC-STD-521	12.5 x 21	300 - 2600	2.4	< 20	500
OEPAS-FOC-STD-522	12.5 x 23	300 - 2600	1.5	< 50	300
OEPAS-FOC-STD-523	25.4 x 31	300 - 2600	6.0	< 20	300
OEPAS-FOC-STD-531	25.4 x 35	300 - 2600	6.0	< 20	300
OEPAS-FOC-STD-532	25.4 x 35	300 - 2600	6.1	< 20	300
OEPAS-FOC-STD-533	25.4 x 35	300 - 2600	5.1	< 20	300
OEPAS-FOC-STD-534	25.4 x 35	300 - 2600	6.8	< 20	300

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Adjustable Collimator Specifications

Model number	Collimator Size (DxL), mm	Operation Wavelength, nm	Output Beam Size, mm	Back Reflection, dB	Max Optical Power, mW
OEPAS-FOC-STD-611	14 x 25	300 - 2600	1.9	< 20	500
OEPAS-FOC-STD-621	14 x 25	300 - 2600	2.4	< 20	500
OEPAS-FOC-STD-622	25.4 x 20	300 - 2600	2.4	< 20	500
OEPAS-FOC-STD-623	42 x 70	300 - 2600	15.8	< 20	500
OEPAS-FOC-STD-641	42 x 70	400 -2300	16.5	< 20	500
OEPAS-FOC-STD-651	42 x 70	400 - 2300	23.74	< 20	500

MID-IR Collimator Specifications

Model number	Collimator Size (DxL), mm	Operation Wavelength, nm	Output Beam Size, mm*	Back Reflection, dB	Max Optical Power, mW
OEPAS-FOC-STD-701	18 x 30	2 - 5	7.6	< 20	500
OEPAS-FOC-STD-702	18 x 60	2 - 5	19.0	< 20	500
OEPAS-FOC-STD-703	18 x 90	2 - 5	30.0	< 20	500
OEPAS-FOC-STD-704	30 x 50	2 - 5	15.2	< 20	500
OEPAS-FOC-STD-705	30 x 60	2 - 5	19.0	< 20	500
OEPAS-FOC-STD-706	30 x 85	2 - 5	28.5	< 20	500
OEPAS-FOC-STD-711	10 x 10	1.8 - 5	0.7	< 20	500
OEPAS-FOC-STD-712	12 x 15	1.8 - 5	1.5	< 20	500
OEPAS-FOC-STD-713	16 x 20	1.8 - 5	2.3	< 20	500
OEPAS-FOC-STD-721	30 x 45	3 - 5	9.5	< 20	500
OEPAS-FOC-STD-722	30 x 50	3 - 5	11.4	< 20	500
OEPAS-FOC-STD-723	30 x 55	3 - 5	13.3	< 20	500
OEPAS-FOC-STD-724	30 x 60	3 - 5	15.2	< 20	500
OEPAS-FOC-STD-724	30 x 70	3 - 5	19.0	< 20	500
OEPAS-FOC-STD-726	30 x 90	3 - 5	26.6	< 20	500
OEPAS-FOC-STD-731	18 x 25	2 - 5	5.7	< 20	500
OEPAS-FOC-STD-732	18 x 30	2 - 5	7.6	< 20	500
OEPAS-FOC-STD-733	18 x 50	2 - 5	15.2	< 20	500

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OEPAS-FOC-STD-734	30 x 50	2 - 5	11.4	< 20	500
OEPAS-FOC-STD-735	30 x 60	2 - 5	19.0	< 20	500
OEPAS-FOC-STD-736	30 x 85	2 - 5	28.5	< 20	500

* Output beam size estimated for SM-ZBLAN/Chalcogenide fiber with NA=0.19.

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:

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