

Collimator with fiber output

This device is used for radiation output and for protection end face of the fiber.

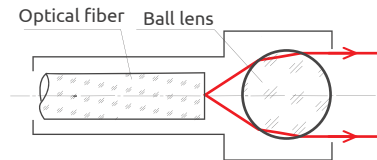
KEY FEATURES:

- Designed to input and output of radiation from the fibers
- Thermal resistance
- No fiber welding

APPLICATION:

- Fiber lasers and amplifiers
- Telecommunication systems

DIMENSIONS



Collimator operation scheme

Lens collimates the light beam emerging from the fiber. It allows to significantly increase the fiber's working distance without a noticeable increase of insertion loss.

SPECIFICATION:

Operating wavelength, nm	0.63	0.85	0.98	1.04	1.3	1.55
Optical fibers type, μm	50/125	50/125	6/125	6/125	10/125	10/25
Return loss, dB	40	40	50	50	60	60
Optimal working distance @min. return loss, mm	10	10	20	20	22	22
Collimator adjusting diameter, mm	3.0 3.5 5.0					
Operating temperature, $^{\circ}\text{C}$	-60...+60					

* specify wavelength, working distance and availability of connectors to order collimator