

Fiber Optic Isolator

The device is designed to suppress the back reflections along the fiber-optic transmission line.

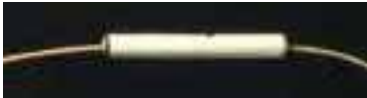
KEY FEATURES:

- Vibration resistance
- No fiber welding

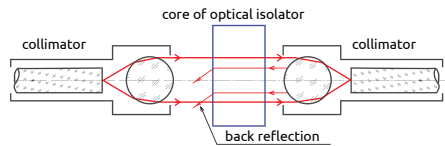
APPLICATION:

- Fiber lasers and amplifiers
- Fiber sensors
- Telecommunication systems

DIMENSIONS



The photo shows a sample of fiber-optic isolator



Isolator operation scheme

This device is built on micro-optical, magneto-optical and birefringent elements. Laser and thermal welding are used to fix the elements in the package, which ensures high reliability

SPECIFICATION:

	single stage	two-stage
Operation wavelength, nm	1530	1580
Insertion loss, dB	0.5	0.7
Min. isolation, dB	30	50
Return loss, dB	55	60
Polarization sensitivity, dB	0.1	0.15
Dimensions, mm (without fiber outputs)	Ø10x50	Ø10x70
Operating temperature, °C	-10...+60	