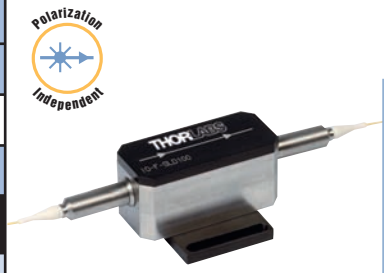
For current pricing, please see our website.

895 nm, 2 W Polarization-Independent Broadband Fiber Isolator



IO-F-SLD150-895
Broadband 150 nm

The IO-F-SLD150-895 polarization-independent broadband fiber isolator is specifically designed for use with superluminescent diodes (SLDs). This particular model offers high isolation in the 820 to 970 nm range. Although fiber isolators exist with higher isolation at this central wavelength, they suffer from large isolation drops (>10 dB) when operated outside the designed wavelength range. In contrast, the isolation performance of the IO-F-SLD150-895 isolator is fairly flat up to 75 nm from the center wavelength, making this isolator an ideal choice for use with SLDs.

Specifications

- **Wavelength:** 895 ± 75 nm
- **Power:*** 2 W CW (Max)
- **Isolation:**** 23 – 32 dB
- **Insertion Loss:** 1.4 – 2.1 dB
- **PDL:** ≤0.25 dB
- **Return Loss:** >52 dB
- **Fiber:** 780HP

*Specified power rating is for the isolator. Proper laser termination is critical.
**Isolation is both wavelength and temperature dependent (not for use in pulsed laser applications)

ITEM #	$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-F-SLD150-895	$ 1,975.00	£ 1,422.00	€ 1.718,25	¥ 15,740.75	None	Fiber Isolator for SLD, 820 – 970 nm

980 nm, 2 W Polarization-Independent Fiber Isolators

Specifications

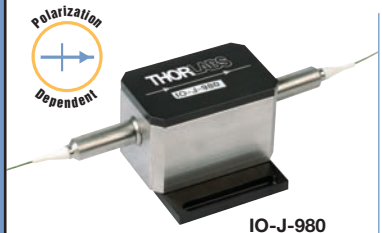
- **Wavelength:** 980 ± 10 nm
- **Power:*** 2 W CW (Max)
- **Isolation:**** 30 – 38 dB
- **Insertion Loss:** 0.7 – 1.2 dB
- **PDL:** ≤0.20 dB
- **Return Loss:** >50 dB
- **Fiber:** HI1060

*Specified power rating is for the isolator. Proper laser termination is critical.
**Isolation is both wavelength and temperature dependent (not for use with pulsed applications)

The IO-F-980 and IO-F-980APC are CW polarization-independent fiber isolators. These isolators are designed for use in the 970 to 990 nm range and can be used with optical powers up to 2 W. Returning light is displaced from the optical axis, resulting in 30 to 38 dB of isolation. Due to the polarization-independent nature of these isolators, the insertion loss and the isolation value will not change with respect to the input or returning light's state of polarization.

ITEM #	$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-F-980	$ 1,470.00	£ 1,058.40	€ 1.278,90	¥ 11,715.90	None	Low-Power, SM Fiber Isolator, 980 nm
IO-F-980APC	$ 1,510.00	£ 1,087.20	€ 1.313,70	¥ 12,034.70	FC/APC	Low-Power, SM Fiber Isolator, 980 nm

980 nm, 3 W Polarization-Dependent Fiber Isolators



IO-J-980

Mechanical Drawings Available on the WEB

The IO-J-980 and IO-J-980APC low-power, polarization-dependent fiber isolators utilize PM fiber on both the input and output of the isolator. Both isolators are aligned for transmission along the slow axis of the fiber. Any signal not aligned with the input slow axis will be blocked. In the reverse direction, light with any state of polarization will be isolated. The IO-J-980 and IO-J-980APC fiber isolators are designed to provide 30 to 38 dB of isolation in the 970 to 990 nm range.

Specifications

- **Wavelength:** 980 ± 10 nm
- **Power:** 3 W CW (Max)
- **Isolation:**[a] 30 – 38 dB
- **Insertion Loss:**[b] 0.8 – 1.4 dB
- **Extinction Ratio:** >20 dB
- **Return Loss:** >50 dB
- **Fiber:**[c] PM 980

[a]Not for use with pulsed applications or feedback.
[b]Device aligned for transmission along the slow axis; light launched into the fast axis is not transmitted
[c]PM fiber 400 µm buffer with loose Hytrel tubing

ITEM #	$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-J-980	$ 1,935.00	£ 1,393.20	€ 1.683,45	¥ 15,421.95	None	Low-Power, PM Fiber Isolator, 980 nm
IO-J-980APC	$ 2,035.00	£ 1,465.20	€ 1.770,45	¥ 16,218.95	FC/APC	Low-Power, PM Fiber Isolator, 980 nm