

780 nm, 2 W Polarization-Independent Fiber Isolators

Specifications

- **Wavelength:** 780 ± 10 nm
- **Power:*** 2 W CW (Max)
- **Isolation:**** 30 – 38 dB
- **Insertion Loss:** 1.0 – 1.6 dB
- **PDL:** ≤0.25 dB
- **Return Loss:** >50 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)

The IO-F-780 and IO-F-780APC are CW polarization-independent fiber isolators. These isolators, which are designed for use in the 770 to 790 nm range, can be used with optical powers up to 2 W. Light returning 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.



IO-F-780



ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-F-780	\$ 1,600.00	£ 1,152.00	€ 1,392.00	¥ 12,752.00	None	Low-Power, SM, Fiber Isolator, 780 nm
IO-F-780APC	\$ 1,640.00	£ 1,180.80	€ 1,426.80	¥ 13,070.80	FC/APC	Low-Power, SM, Fiber Isolator, 780 nm

840 nm, 2 W Polarization-Independent Broadband Fiber Isolator



IO-F-SLD100-840

The IO-F-SLD100-840 polarization-independent broadband fiber isolator is specifically designed for use with superluminescent diodes (SLDs). This particular model offers high isolation in the 790 to 890 nm range. Although fiber isolators do exist with 30 to 33 dB of isolation at the 840 nm central wavelength, they suffer from large isolation drops (>10 dB) as the wavelength is detuned ±30 nm. In contrast, the isolation performance of the IO-F-SLD100-840 isolator is fairly flat for ±50 nm detunings, making it an ideal choice for use with SLDs.

Specifications

- **Wavelength:** 840 ± 50 nm
- **Power:*** 2 W CW (Max)
- **Isolation:**** 25 – 32 dB
- **Insertion Loss:** 1.0 – 1.6 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 with pulsed applications)

ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-F-SLD100-840	\$ 1,750.00	£ 1,260.00	€ 1,522.50	¥ 13,947.50	None	Fiber Isolator for SLD, 790 – 890 nm

850 nm, 2 W Polarization-Independent Fiber Isolators

Specifications

- **Wavelength:** 850 ± 10 nm
- **Power:*** 2 W CW (Max)
- **Isolation:**** 30 – 38 dB
- **Insertion Loss:** 1.0 – 1.6 dB
- **PDL:** ≤0.25 dB
- **Return Loss:** >50 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)

The IO-F-850 and IO-F-850APC are CW polarization-independent fiber isolators. These isolators, which are designed for use in the 840 to 860 nm range, can be used with optical powers up to 2 W. Single mode fiber is used on both the input and output. Light returning 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.



IO-F-850

ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-F-850	\$ 1,600.00	£ 1,152.00	€ 1,392.00	¥ 12,752.00	None	Low-Power, SM Fiber Isolator, 850 nm
IO-F-850APC	\$ 1,640.00	£ 1,180.80	€ 1,426.80	¥ 13,070.80	FC/APC	Low-Power, SM Fiber Isolator, 850 nm