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1550 nm, 300 mW Polarization-Independent Fiber Isolators



IO-H-1550



The IO-H-1550, IO-H-1550APC, and IO-H-1550FC polarization-independent fiber isolators are designed for use in the 1530 to 1570 nm range. The IO-H-1550APC and IO-H-1550FC have FC/APC- and FC/PC-connectorized endfaces, respectively. 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.

Specifications

- **Wavelength:** 1550 ± 20 nm
- **Power:** 0.3 W CW
- **Isolation:*** 35 – 40 dB
- **Insertion Loss:** 0.3 – 0.7 dB
- **PDL:** ≤0.10 dB
- **Return Loss:** >55 dB
- **Fiber:** SMF-28e+

*Isolation is both wavelength and temperature dependent (not for use in pulsed laser applications)

ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-H-1550	\$ 160.00	£ 115.20	€ 139.20	¥ 1,275.20	None	Low-Power, SM Fiber Isolator, 1550 nm
IO-H-1550APC	\$ 200.00	£ 144.00	€ 174.00	¥ 1,594.00	FC/APC	Low-Power, SM Fiber Isolator, 1550 nm
IO-H-1550FC	\$ 180.00	£ 129.60	€ 156.60	¥ 1,434.60	FC/PC	Low-Power, SM Fiber Isolator, 1550 nm

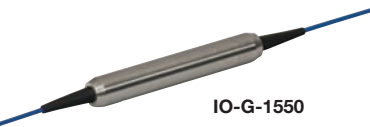
1550 nm, 300 mW Polarization-Dependent Fiber Isolator

NEW
product

Specifications

- **Wavelength:** 1550 +20 nm
- **Power:** 0.3 W CW (Max)
- **Isolation:*** 40 dB
- **Insertion Loss:** ≤0.6 dB
- **Extinction Ratio:** ≥20 dB
- **Return Loss:** ≥55 dB
- **Fiber:** PM, Panda

*Peak isolation. Isolation is both wavelength and temperature dependent (not for use in pulsed laser applications)



IO-G-1550



The IO-G-1550 low-power, polarization-dependent fiber isolator utilizes PM fiber on both the input and the output of the isolator. It is 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-G-1550 fiber isolator is designed to provide up to 40 dB isolation in the 1530 to 1570 nm range.

ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-G-1550	\$ 390.00	£ 280.80	€ 339.30	¥ 3,108.30	None	Low-Power, PM Fiber Isolator, 1550 nm

1550 nm, 5 W Polarization-Dependent Fiber Isolators



IO-J-1550

The IO-J-1550 and IO-J-1550APC are CW polarization-dependent isolators designed for use with laser powers up to 5 W. These isolators, which are equipped with PM fiber on both the input and output ends, 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-1550 and IO-J-1550APC fiber isolators are designed to provide 32 to 38 dB of isolation in the 1540 to 1560 nm range.

Specifications

- **Wavelength:** 1550 ± 10 nm
- **Power:** 5 W CW
- **Isolation:**^a 32 – 38 dB
- **Insertion Loss:**^b 0.4 – 1.0 dB
- **Extinction Ratio:**^b >20 dB
- **Return Loss:** >55 dB
- **Fiber:**^c PM1550

^aNot for use in pulsed laser applications

^bDevice aligned for transmission along the slow axis; light launched into the fast axis is not transmitted

^cPM fiber 400 µm buffer with loose Hytel tubing

ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-J-1550	\$ 1,425.00	£ 1,026.00	€ 1,239.75	¥ 11,357.25	None	5 W, PM Fiber Isolator, 1550 nm
IO-J-1550APC	\$ 1,525.00	£ 1,098.00	€ 1,326.75	¥ 12,154.25	FC/APC	5 W, PM Fiber Isolator, 1550 nm