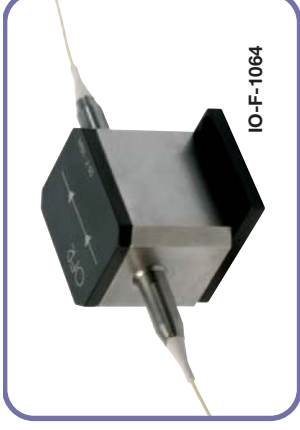


The IO-F is a high-power polarization-independent isolator, and thus, SM fiber is used on the input and output. The insertion loss and the isolation value will not change with respect to the input or return polarization state that is used. To increase the power handling of the isolator, non-absorptive crystal polarizers as well as crystal Faraday rotators are used. In the reverse direction (isolation), the polarizers displace rather than absorb the return beam so that it does not couple back into the incoming fiber.



ITEM #	IO-F-780	IO-F-850	IO-F-980	IO-F-1064	IO-F-1310	IO-F-1550
Wavelength	780nm ± 10nm	850nm ± 10nm	980nm ± 10nm	1064nm ± 10nm	1310nm ± 20nm	1550nm ± 20nm
Max Power ¹	2W (CW)	2W (CW)	2W (CW)	3W (CW)	5W (CW)	5W (CW)
Isolation ¹	30-38dB	30-38dB	33-38dB	33-38dB	32-38dB	32-38dB
Insertion Loss	1.0-1.8dB	1.0-1.8dB	0.7-1.2dB	0.7-1.3dB	0.4-1.0dB	0.4-1.0dB
PDL	≤0.25dB	≤0.25dB	≤0.2dB	≤0.15dB	≤0.2dB	≤0.2dB
Return Loss	>50dB	>50dB	>50dB	>50dB	>55dB	>55dB
Fiber	HI1060	SMF-28e	PM 980/1060	HI1060	SMF-28e	SMF-28e

(1) Isolation depends on wavelength and temperature, not for use with pulsed applications

(2) Power rating is specified only for cleaved fiber

High-Power, 2 to 5W, Polarization-Independent Fiber Isolator, Polarization Maintaining Fiber

ITEM#	\$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-F-780	\$ 2,150.00	£ 1,354.50	€ 1,999.50	¥ 20,532.50	Cleaved	High-Power, SM, Inline Fiber Isolator, 780nm
IO-F-780APC	\$ 2,190.00	£ 1,379.70	€ 2,036.70	¥ 20,914.50	FC/APC	High-Power, SM, Inline Fiber Isolator, 780nm
IO-F-850	\$ 2,150.00	£ 1,354.50	€ 1,999.50	¥ 20,532.50	Cleaved	High-Power, SM, Inline Fiber Isolator, 850nm
IO-F-850APC	\$ 2,190.00	£ 1,379.70	€ 2,036.70	¥ 20,914.50	FC/APC	High-Power, SM, Inline Fiber Isolator, 850nm
IO-F-980	\$ 2,000.00	£ 1,260.00	€ 1,860.00	¥ 19,100.00	Cleaved	High-Power, SM, Inline Fiber Isolator, 980nm
IO-F-980APC	\$ 2,040.00	£ 1,285.20	€ 1,897.20	¥ 19,482.00	FC/APC	High-Power, SM, Inline Fiber Isolator, 980nm
IO-F-1064	\$ 1,625.00	£ 1,023.80	€ 1,511.30	¥ 15,518.80	Cleaved	High-Power, SM, Inline Fiber Isolator, 1064nm
IO-F-1064APC	\$ 1,665.00	£ 1,049.00	€ 1,548.50	¥ 15,900.80	FC/APC	High-Power, SM, Inline Fiber Isolator, 1064nm
IO-F-1310	\$ 1,550.00	£ 976.50	€ 1,441.50	¥ 14,802.50	Cleaved	High-Power, SM, Inline Fiber Isolator, 1310nm
IO-F-1310APC	\$ 1,590.00	£ 1,001.70	€ 1,478.70	¥ 15,184.50	FC/APC	High-Power, SM, Inline Fiber Isolator, 1310nm

Collimation Packages
FiberBench
Optical Switches
Rackbox Systems
Connectors/ Termination Tools
Single Mode Fiber
Rare Earth Doped
Polarization Maintaining Fiber
Photonic Crystal Fiber
Multimode Fiber: Graded Index
Multimode Fiber: Step Index
Plastic Optical Fiber