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## 1064 nm, 3 W Polarization-Independent Fiber Isolators



## Specifications

- **Wavelength:** 1064 ± 10 nm
- **Power:** 3 W CW (Max)
- **Isolation:**\* 33 – 38 dB
- **Insertion Loss:** 0.7 – 1.3 dB
- **PDL:** ≤0.15 dB
- **Return Loss:** >50 dB
- **Fiber:** HI1060

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

The IO-F-1064 and IO-F-1064APC narrowband, polarization-independent fiber isolators are designed for use in the 1054 to 1074 nm range. These fiber isolators utilize a TGG

rotator so that they can be used with higher powers (3 W compared to 0.5 W) and at lower wavelengths (1054 nm instead of 1060 nm) than their BIG film rotator counterparts.

ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-F-1064	\$ 1,470.00	£ 1,058.40	€ 1,278.90	¥ 11,715.90	None	Low-Power, SM Fiber Isolator, 1064 nm
IO-F-1064APC	\$ 1,510.00	£ 1,087.20	€ 1,313.70	¥ 12,034.70	FC/APC	Low-Power, SM Fiber Isolator, 1064 nm

## 1064 nm, 10 W Polarization-Independent Fiber Isolator



## Specifications

- **Wavelength:** 1064 +11/-14 nm
- **Power:** 10 W CW, 5 kW Peak
- **Isolation:** 30 – 36 dB
- **Insertion Loss:** 1.0 – 1.5 dB
- **PDL:** ≤0.25 dB
- **Return Loss:** >50 dB
- **Fiber:** HI1060

The IO-K-1064 fiber isolator is a high-power, polarization-independent fiber-to-fiber isolator designed for operation in the 1050 to 1075 nm range. Using our knowledge of high-power fiber coupling, we have been able to fabricate an isolator that is capable

of handling CW powers up to 10 W and peak powers up to 5 kW. The IO-K-1064 isolator has HI1060 fiber coupled to both its input and output.

ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
IO-K-1064	\$ 1,925.00	£ 1,386.00	€ 1,674.75	¥ 15,342.25	None	10 W, Fiber Isolator, 1064 nm

## 1064 nm, 30 W Polarization-Independent Fiber to Free-Space Isolator



IO-K-1064-ELY

The IO-K-1064-ELY is a fiber to free-space isolator for high-power applications in the 1050 to 1080 nm range. Utilizing our experience in high-power fiber coupling, we have been able to fabricate this isolator so that it can withstand CW laser powers up to 30 W. HI1060 single mode fiber has been used on the input end. Light exiting the isolator is collimated into a Ø3 mm beam by the attached beam expander.

## Specifications

- **Wavelength:** 1064 +16/-14 nm
- **Power:** 30 W CW\*, 10 kW Peak
- **Isolation:** 30 – 38 dB
- **Insertion Loss:** <0.6 dB
- **Return Loss:** >50 dB
- **Fiber:** HI1060

\*Average Power at 1064 nm

 **Mechanical**  
Drawings Available on the  
**WEB**

ITEM #	\$	£	€	RMB	CONNECTOR	DESCRIPTION
IO-K-1064-ELY	\$ 2,670.00	£ 1,922.40	€ 2,322.90	¥ 21,279.90	None	30 W Fiber to Free-Space Isolator, 1064 nm