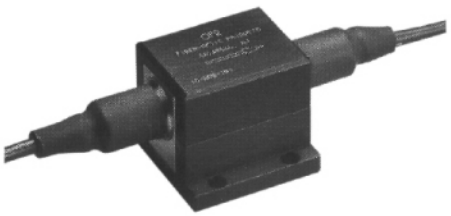
Fiber Optic Isolators

Polarization Dependent Isolators

Polarization dependent Isolators are pigtailed with 1 meter of PM fiber. Fiber ends are cleaved, or can be optionally FC connectorized.
Isolators for non-standard λ's are available.



Custom, mini and micro Isolators.

Polarization Dependent Isolators (PM Fiber)

Low Power

	Catalog Number	*Wavelength*	*Fiber*	*Isolation*	*Insertion Loss*	*Return Loss*	*Power Handling*
NIR (780-980)	IO-G-980	980nm ±10nm	PANDA PM	30-38dB	0.7-1.5dB	50dB	300mW/CW
YAG[1] (1040-1080)	IO-G-1064	1064nm ±10nm	PANDA PM	30-38dB	0.7-1.5dB	50dB	300mW/CW

[1] Other wavelegths available : 1030, 1053, 1064/1080, 1080, 1090nm
Inquire for Specification of other models : IO-G-633, IO-G-780, IO-G-850, IO-G-1053, IO-G-1080, IO-G-1310, IO-G-1550

High Power

	Catalog Number	*Wavelength*	*Fiber*	*Isolation*	*Insertion Loss*	*Return Loss*	*Power Handling*
NIR (780-980)	IO-J-980	980nm ±10nm	PANDA PM	30-38dB	0.8-1.6dB	>50dB	3W/CW
YAG[1] (1040-1080)	IO-J-1064	1064nm ±10nm	PANDA PM	32-38dB	0.6-1.3dB	>50dB	3W/CW
IR[2] (1250-1600)	IO-J-1310	1310nm ±20nm	PM Panda	32-38dB	0.4-1.0dB	>55dB	5W/CW
	IO-J-1550	1550nm ±20nm	PM Panda	32-38dB	0.4-1.0dB	>55dB	5W/CW

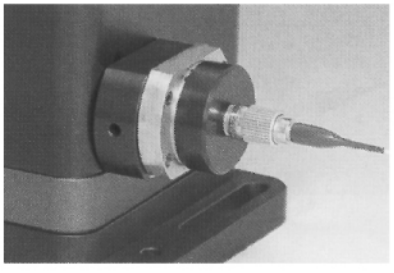
[1] Other wavelength available : 1030, 1053, 1064/1080, 1080, 1090nm
[2] Other wavelength available : 1450nm
Inquire for Specification of other models : IO-J-633, IO-J-780, IO-J-850, IO-J-1053, IO-J-1080

Laser-Interface Isolators

Catalog Number	*Input Beam Fiber Type*	*Diameter*
IO-PAF-X-5-λ	SM or PM	0.8-1.3 mm
IO-PAF-X-7-λ	SM or PM	1.6-2.0 mm

λ : specify wavelength 980, 1310 or 1550nm,
for example, IO-PAF-X-11-1550.

The Laser-Interface Isolator permits coupling of a free-space laser beam into the FiberPort, at the same time isolating the laser. IO-PAF isolated FiberPorts contain an IO-D " Aspirin Tablet" Isolator with insertion loss $<$0.2dB and isolation 40-45dB. Standard wavelengths are 1310nm and 1550nm, and others are available. When ordering, specify vertical or horizontal input polarization. Fiber Cable is ordered separately.



IO-PAX-X-7-980