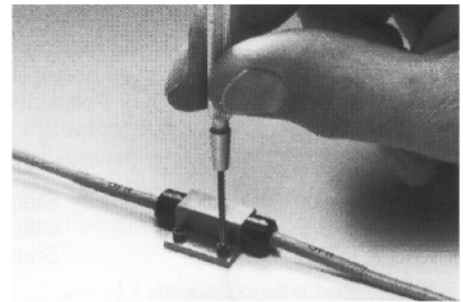
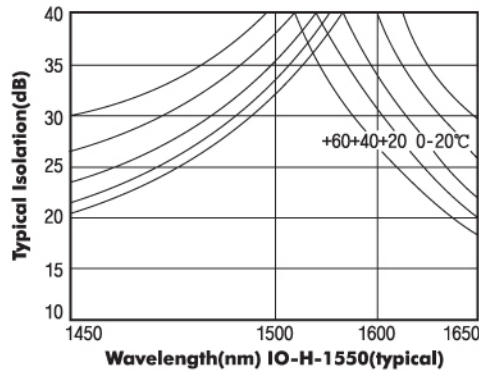


Polarization Independent Isolators

Polarization Independent Isolators are pigtailed with 1 meter of SM, MM fiber. Fiber ends are cleaved or can be optionally FC connectorized.

Isolators for non-standard λ 's are available.



IO-H-1550

Polarization Independent Isolators (SM Fiber)

Low Power

	Catalog Number	Wavelength	Isolation	Insertion Loss	PDL	PMD	Return Loss	Power Handling
YAG (1040-1080)	IO-H-1064	1064nm ± 10nm	≥ 33dB	1.4-2.0dB	≤ 0.15dB	≤ 0.2ps	> 55dB	< 250mW
IR (1250-1600)	IO-H-1310	1310nm ± 20nm	38-44dB	0.3-0.6dB	≤ 0.1dB	≤ 0.2ps	> 55dB	300mW
	IO-H-1550	1550nm ± 20nm	38-44dB	0.3-0.6dB	≤ 0.1dB	≤ 0.2ps	> 55dB	300mW

High Power

	Catalog Number	Wavelength	Fiber	Isolation	Insertion Loss	PDL	PMD	Return Loss	Power Handling
VIS (633-750)	IO-F-633	633nm ± 10nm	-	30-38dB	1.0 - 1.8dB	≤ 0.25dB	≤ 0.2ps	> 50dB	1 - 3W/CW
NIR (780-980)	IO-F-780	780nm ± 10nm	-	30-38dB	1.0 - 1.8dB	≤ 0.25dB	≤ 0.2ps	> 50dB	1 - 3W/CW
	IO-F-850	850nm ± 10nm	-	30-38dB	1.0 - 1.8dB	≤ 0.25dB	≤ 0.2ps	> 50dB	1 - 3W/CW
YAG (1040-1080)	IO-F-980	980nm ± 10nm	Flexcore 980/1060	33-38dB	0.7 - 1.2 dB (1.0 dB Typical)	≤ 0.2dB	≤ 0.2ps	> 50dB	2W/CW
	IO-F-1064 ¹	1064nm ± 10nm	Corning Puremode 1060, 6/125/900 μ loose tube	33-38dB	0.7 - 1.3 dB (1.0 dB Typical)	≤ 0.15dB	≤ 0.2ps	> 50dB	3W/CW
	IO-K-1064	1064nm ± 10nm	Corning Puremode 1060, 6.6/125/250 Hytel loose tube	30-38dB	0.8 - 1.5dB	≤ 0.25dB	≤ 0.2ps	> 50dB	10W/CW
IR (1250-1600)	IO-F-1310	1310nm ± 20nm	SMF28	32-38dB	0.4 - 1.0dB	≤ 0.2dB	≤ 0.2ps	> 55dB	5W/CW
	IO-F-1550	1550nm ± 20nm	SMF28	32-38dB	0.4 - 1.0dB	≤ 0.2dB	≤ 0.2ps	> 55dB	5W/CW
	IOT-F-1550 ²	1550nm ± 20nm	SMF28	> 60dB	0.6 - 1.2dB	≤ 0.2dB	≤ 0.2ps	> 55dB	5W/CW

¹ Other wavelength available : 1030, 1047, 1053, 1080, 1090 nm

² High Power fiber dual stage isolators

Polarization Independent Isolators (MM Fiber)

High Power

	Catalog Number	Wavelength	Fiber	Isolation	Insertion Loss	Return Loss	Power Handling ¹
NIR (780-980)	IO-MM50-980	980nm ± 10nm	50um core MM (NA 0.18 - 0.22)	20-36dB	< 1.3dB	17 - 45dB (25 - 35dB typ.)	20W/CW
YAG (1040-1080)	IO-MM50-1064 ¹	1064nm ± 10nm	50um core MM (NA 0.18 - 0.22)	20-36dB	< 1.3dB	17 - 45dB (25 - 35dB typ.)	20W/CW

¹ Other wavelength available : 1030, 1053, 1064/1080, 1080, 1090nm

Inquire for Specification of other models : IO-MM50-633, IO-MM100-633, IO-MM50-780, IO-MM100-780, IO-MM100-980, IO-MM100-1064