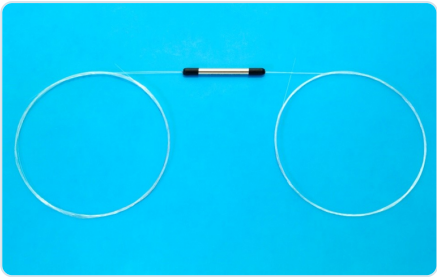


Polarization Maintaining Isolator

Two-port micro-optic PM isolator built with PM panda fiber for high-isolation, unidirectional light transmission at 1550 nm



PRODUCT OVERVIEW

The 1550nm Polarization Maintaining Isolator is a two port micro-optic device built with PM panda fiber. The PM isolator features low insertion loss, high isolation, high extinction ratio and high reliability and stability. The device guides optical light in one direction and eliminates back reflection and back scattering in the reverse direction.

KEY FEATURES

- High Extinction Ratio
- Excellent stability and reliability

APPLICATIONS

- Fiber amplifier
- Communications

SPECIFICATIONS

PARAMETER	UNIT	SINGLE STAGE		DUAL STAGE	
		P	A	P	A
Operating Wavelength	nm	1550 & 1310			
Bandwidth	nm	±20		±30	
Insertion loss at 23°C	dB	< 0.55	< 0.65	< 0.65	< 0.8
Min. Isolation at 23°C	dB	28	26	48	45
Extinction ratio (Type F)	dB	≥22	≥20	≥22	≥22
Return loss (input/output)	dB	≥ 50/50			
Fiber Type	-	PM1550 Panda Fiber			
Max. Power Handling	mW	300			
Operating temperature	°C	-5 to +70			
Storage temperature	°C	-40 to +85			
Dimensions	mm	Φ5.5× L35			

ORDERING INFORMATION

PMI / ① - ② - ③ - ④ - ⑤ - ⑥

① PORT	② OPERATING WAVELENGTH	③ GRADE	④ AXIS ALIGNMENT	⑤ FIBER DIAMETER	⑥ FIBER LENGTH	⑦ CONNECTOR
S:Single stage	13:1310nm	P: P	B:Both working	2:250μ	1:0.8 m	00: bare fiber
D:Dual stage	14:1480nm	A:A	F: Fast blocked	9:900μ	2:1.0 m	FA:FC/APC
—	X:XX	—	—	2:2.0mm	X:XX	SA:SC/APC
—	—	—	—	3:3.0mm	—	LA:LC/APC

Note 1: The PM fiber and the connector key are aligned slow axis. Note 2: IL, RL and ER values specified are without connector loss. Note 3: Specifications are subject to change without notice.

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