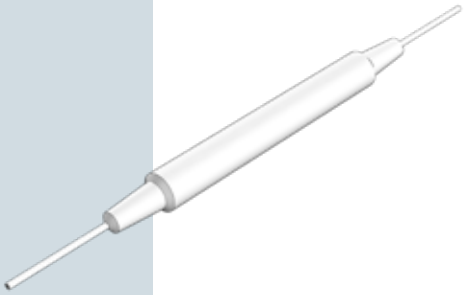
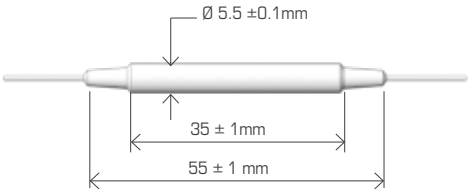
PM ISOLATOR





The Polarization Maintaining Isolator is characterized with low insertion loss, high isolation, high return loss, high extinction ratio and excellent environmental stability and reliability. It is ideal for polarization maintaining fiber amplifers, fiber lasers, high speed communication systems and instrumentation applications.

SPECIFICATIONS

PARAMETERS	SINGLE STAGE		DUAL STAGE		UNIT
	GRADE P	GRADE A	GRADE P	GRADE A	
Center Wavelength (λc)	1310, 1480 or 1550				nm
Min. Extinction Ratio for F version	25	23	25	23	dB
Min. Extinction Ratio for B version	20	18	20	18	dB
Typ. Peak Isolation	42	40	58	55	dB
Min. Isolation, λc ± 10 nm, 23 °C, all polarization states	30	28	46	45	dB
Typ. Insertion Loss, λc ± 20 nm, 23 °C, all polarization states	0.4	0.5	0.5	0.7	dB
Max. Insertion Loss, λc ± 20 nm, all temperature	0.6	0.7	0.7	0.9	dB
POLARIZATION STATES					
Min. Return Loss (Input/Output)	55/50	55/50	55/50	55/50	dB
Max. Optical Power (Continuous Wave)	300				mW
Max. Tensile Load	5				N
Fiber type	PM Panda fiber				
Operating Temp.	-5 ~ +70				°C
Storage Temperature	-40 to +85				°C

*Note: IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

F4M-PMISO

CODE	STAGE		WAVELENGTH		GRADE		FIBER JACKET		CONNECTOR TYPE		FIBER LENGTH		WORKING AXIS	
	1	Single Stage	31	1310 nm	P	Premium	25	250μm Panda Fiber	0	None	05	0.5 m	F	Fast axis blocked
	2	Dual Stage	48	1480 nm	A	A Grade	9L	900μm Loose Tube	A	SC/UPC	10	1m	B	Both axes working
			55	1550 nm			S	Specify	B	SC/APC	S	Specify		
			S	Specify					C	FC/UPC				
									D	FC/APC				
									E	LC/UPC				
									Q	LC/APC				
									S	Specify				

ORDER CODE EXAMPLE F4M-PMISO - 1 - 55 - P - S - 00 - S - F

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