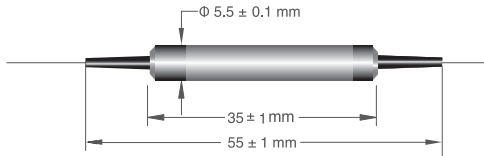


# PM SERIES

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## PM ISOLATOR

- Compact High Performance
- High Extinction Ratio
- Low Insertion Loss



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 amplifiers, fiber lasers, high speed communication systems and instrumentation applications.

PARAMETERS	SINGLE STAGE		DUAL STAGE		UNIT	SPECIFICATIONS*
	GRADE P	GRADE A	GRADE P	GRADE A		
Center Wavelength ( $\lambda_c$ )	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, $\lambda_c \pm 10$ nm, 23 °C, all polarization states	30	28	46	45	dB	
Typ. Insertion Loss, $\lambda_c \pm 20$ nm, 23 °C, all polarization states	0.4	0.5	0.5	0.7	dB	
Max. Insertion Loss, $\lambda_c \pm 20$ 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.

CODE	STAGE	WAVELENGTH	GRADE	FIBER JACKET	CONNECTOR TYPE	FIBER LENGTH	WORKING AXIS	ORDER CODES	
F4M-PMISO	1	Single Stage	31 1310 nm	P Premium	25 250µm Panda Fiber	O None	07 0,75m (Std.)	F Fast axis blocked	
	2	Dual Stage	48 1480 nm	A A Grade	9L 900µm Loose Tube	A	SC/UPC	S Specify	B Both axes working
						B	SC/APC		
						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**

Specifications may change without notice. Display Product Photos Shown are samples for viewing, not actual products. Colours and styles may vary.

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