

Polarization Maintaining Isolator (1310,1480,1550nm)

Features	
Low Insertion Loss Low Extinction Ratio & High Isolation High stability and reliability	
Application	
EDFA Fiber Optical Instrument Fiber Sensor	

Specifications

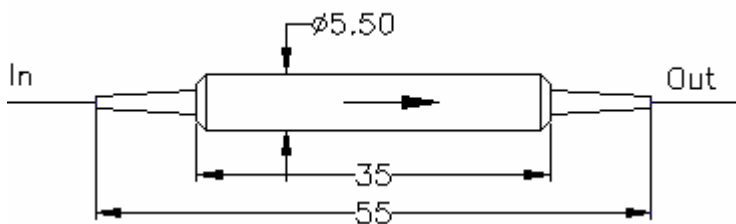
Type Parameter		Single Grade		Dual Grade	
		P	A	P	A
Operating Wavelength (nm)		1310,1480, 1550			
Bandwidth (nm)		±20			
Peak isolation (dB)		42	40	58	55
Isolation (at 23°C) (dB)		≥28	≥26	≥48	≥45
Typ. Insertion Loss (at 23°C)		0.4	0.5	0.5	0.6
Insertion Loss (at-5 ~ +70 °C)		≤0.55	≤0.65	≤0.65	≤0.80
Extinction Ratio (dB)	Type B (Both of axis working)	≥20	≥18	≥20	≥18
	Type F (Fast axis blocked)	≥22	≥20	≥22	≥20
Return loss (Input/Output) (dB)		≥55			
Power handling (mW)		≤300			
Fiber Type		panda Fiber.			
Operating temperature (°C)		-5~+70			
Storage temperature (°C)		-40 ~ +80			
Dimensions (mm)		φ5.5×L35			

*Above specifications are for devices without the connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis

Package Dimensions



Ordering Information:

PMIS	Type	Grade	Wavelength	Axis Alignment	Pigtail Type	Fiber Type	Length	Connector
	S= Single stage D = Dual Stage	P A	1310 1480 1550	F=Fast Axis Blocked B=Both Axis Working	250=250um bare fiber 900=900um loose tube	5=Panda fiber	0.8= 0.8m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other