

Short Wavelength PM Isolator (830/850/980/1030/1060nm)



FEATURES

- High Isolation
- Low Insertion Loss
- High Extinction Ratio
- High Stability and High Reliability
- Cost Effective

APPLICATION

- Fiber optic Amplifiers
- Pump Laser Source
- Fiber optic Sensor
- Test and Measurement
- Instrumentation

PERFORMANCE SPECIFICATIONS

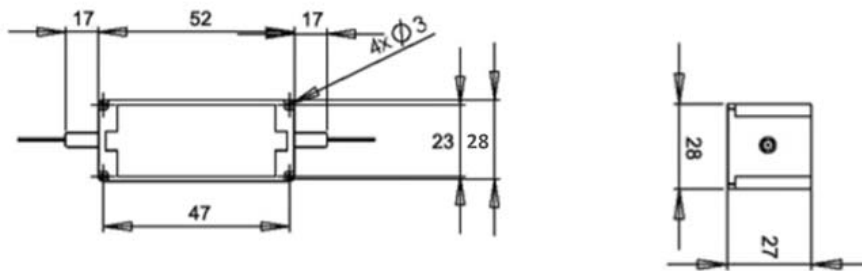
Parameter	Specifications				
Operating Wavelength	830nm	850nm	980nm	1030nm	1060nm
Grade	P				
Typical Peak Isolation	25dB				
Minimum Isolation	≥20dB				
Typical Insertion Loss	0.80dB				
Insertion Loss	≤1.20dB				
Return Loss	≥50dB				
Extinction Ratio	≥25dB (Typ.) ≥20dB (Min.)				
Polarization Mode Dispersion	≤0.20ps				
Bandwidth	±10nm				
Fiber Type	PM850		PM980		
Optical Power	≤ 600mW				
Operating Temperature	0 to +60°C				
Storage Temperature	-40 to +85°C				
Package Dimensions	A= 52x28x27mm				

Note: 1. The PM fiber and the connector key are aligned to the slow axis.
 2. The ER (Extinction Ratio) is for fiber ≤ 0.75m. Increasing the fiber length can decrease the ER
 3. For devices with connectors, insertion loss will be 0.3dB higher, return loss 5dB lower and ER 2dB lower.
 All values referenced are without connector.

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MECHANICAL DIMENSIONS

A Package



PORT CONFIGURATIONS



ORDERING INFORMATION

Type	Operating Wavelength	Grade	Package	Fiber Type	Pigtail Style	Fiber Length*	In Connector	Out Connector	Working axis
PMIS=Single stage	83=830nm	P=P grade	A= A package	K=PM850	1=Bare fiber	07=0.75m	0 = None	0 = None	S=Slow axis working
	85=850nm			L=PM980	2=900um loose tube	10=1.0m	1 = FC/APC	1 = FC/APC	F=Fast axis working
	98=980nm						2 = FC/PC	2 = FC/PC	B=Both axes working
	03=1030nm						3 = SC/APC	3 = SC/APC	
	06=1060nm						4 = SC/PC	4 = SC/PC	
							5 = ST	5 = ST	
							6 = LC/UPC	6 = LC/UPC	
							7 = LC/APC	7 = LC/APC	

*Other length is available upon request, However, 900µm loose tube is only up to 2m.