850nm Polarization Maintaining Optical Isolator

PERFORMANCE SPECIFICATIONS

Parameter	Specifications
Operating Wavelength	840nm to 860nm
Typical Peak Isolation	25dB
Minimum Isolation	20dB
Typical Insertion Loss	0.8dB
Maximum Insertion Loss	1.2dB
Extinction Ratio	20dB(Typ. 25dB)
PMD	0.2ps
Return Loss	≥50dB
Optical Power	600mW
Operating Temperature	0 to +60°C
Storage Temperature	-40 to +85°C
Fiber Type	See Order Information
Package Dimensions	L52mm x W28mm x H27mm

FEATURES

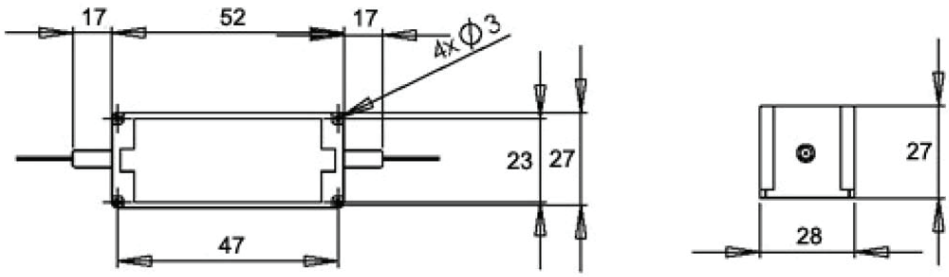
High Isolation
Low Insertion Loss
High Extinction Ratio
High Stability and Reliability
Cost Effective

APPLICATION

Fiberoptic Amplifiers
Pump Laser Source
Fiberoptic Sensor
Test and Measurement Instrumentation

Note:
1. The PM fiber and the connector key are aligned to the slow axis.
3. For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower, and extinction loss will be 2dB lower.
2. The ER is for fiber </= 0.75 meter. Increase fiber length can decrease the ER.

MECHANICAL DIMENSIONS



ORDERING INFORMATION

PMIS							
Wavelength	Grade	Pigtail Style	Fiber Length	Fiber Type	In/Out Connector	Working axis
85 = 850nm	P = Grade P	1 = Bare Fiber 2 = 900um Jacket	1 = 0.25m 2 = 0.5m 3 = 1.0m 4 = Custom Length	1 = PM850 S = Special	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC X=Special	S = Slow axis working B = Both axes working F = Fast axis working