

## 850nm Polarization Maintaining Optical Circulator



### Key Features

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

### Applications

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

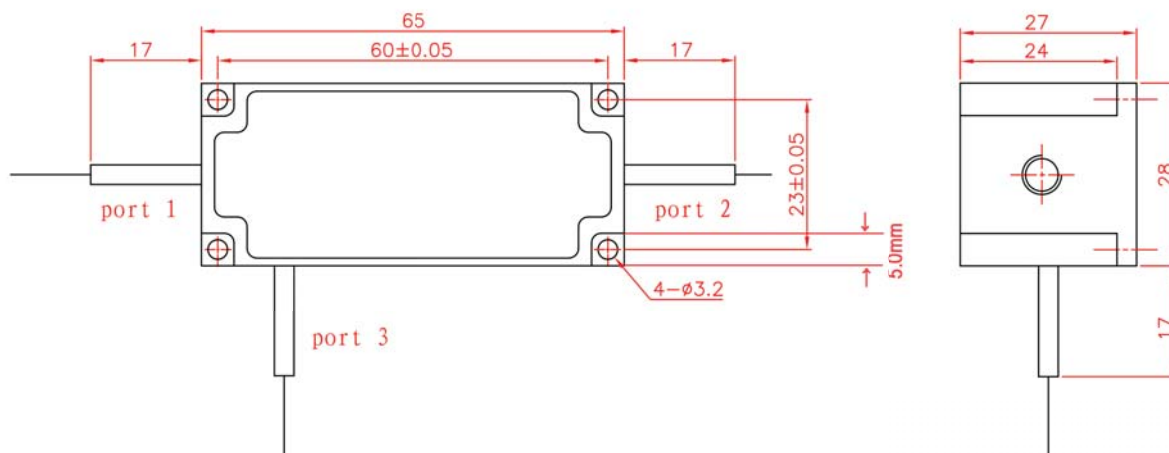
### Performance Specifications

Parameter	Specifications
Operation Wavelength	840nm to 860nm
Typical Peak Isolation	25dB
Minimum Isolation	20dB
Typical Insertion Loss	1.3dB
Maximum Insertion Loss	1.8dB
Cross Talk	45dB(Typ. 50dB)
Extinction Ratio	20dB(Typ. 25dB)
Return Loss	≥ 50dB
Optical Power	400mW
Operating Temperature	0 to + 65°C
Storage Temperature	-40 to + 85°C
Fiber Type	See Order Information
Package Dimensions	L65mm x W28mm x H27mm

Note:

1. The PM fiber and the connector key are aligned to the slow axis.
2. The ER is for fiber  $\leq$  0.75 meter. Increase fiber length can decrease the ER.
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.

## Mechanical Dimensions



## Ordering Information

PMOC	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
	Port	Wavelength	Grade	Pigtail Style	Fiber Length	Fiber Type	In/Out Connector	Working axis
	3 = 3 Port	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

Product specifications and descriptions in this document subject to change without notice.

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