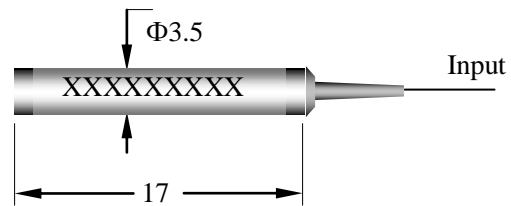


## Polarization Maintaining Faraday Rotator Mirror (1064nm)

### 1. Features:

- Low insertion loss
- High extinction ratio
- High Return Loss
- Excellent environmental stability and reliability



### 2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



### 3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

## 4. Specifications:

Parameter	Unit	Values
Operating wavelength	nm	1064
Wavelength range	nm	$\pm 5$
Faraday Rotation Angle, $\lambda_c$ , 23 °C	Degree	$45 \pm 1$
Typ. Insertion Loss	dB	2.6
Insertion Loss	dB	$\leq 3.0$
Extinction Ratio	dB	$\geq 20$
Fiber type	—	PM Panda Fiber
Operating temperature	°C	-5~70
Operating temperature	°C	-5~70
Storage temperature	°C	-40~85
Power Handling	mw	$\leq 500$

\*The specifications are w/o connector.

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

\* For device with connector, key aligned to slow axis.

## 5. Product Ordering information:

PMFRM	X X	X	X	X	XXX	XX	XX
Product Description	Operating Wavelength	Rotation Angle	Pigtail Type	Fiber Type	Input Connector Type	Package Size	Fiber Length
P=Polarization	98=980	45	0=250um	1=PM98	0=None	3.5×17	05=0.5m
M=Maintaining	06=1064	90	1=900um	2=PM15	1=FC/UFC		08=0.8m
F=Faraday	15=1550			3=PM13	2=FC/APC		10=1.0m
R=Rotator	13=1310			4=others	3=SC/UPC		12=1.2m
M=Mirror					4=SC/APC		

# 深圳市深建通信科技有限公司

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E-mail: [sales@shenjianx.com](mailto:sales@shenjianx.com)

Web : <http://www.shenjianx.com>