

## 1590nm PM Fixed In-line Optical Attenuator

1590nm Polarization Maintaining (PM) Fixed In-line Optical Attenuator is a fiber component which can attenuate the optical power with a fixed attenuation value, the attenuation value can be up to 40dB, it's widely used in optical power testing system, fiber line protection and optical power monitoring field. High power type is available upon request.

### Application:

Optical Power Monitoring  
Fiber Line Protection  
Testing System  
Lab And Research

### Features:

High Extinction Ratio  
Low Excess Loss  
High Power  
High Attenuation



### Specification:

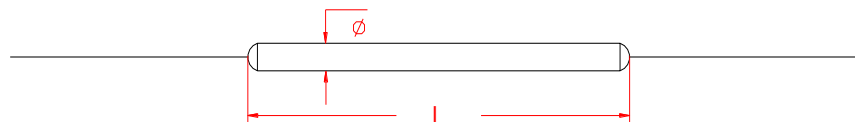
Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	1590	nm
Bandwidth	BW	$\pm 10$	nm
Typ. Excess Loss	EL	0.5	dB
Max. Excess Loss	EL	0.7	dB
Min. Extinction Ratio	ER	20	dB
Attenuation and Tolerance		1 $\pm$ 0.1, 2 $\pm$ 0.2, 3 $\pm$ 0.3, 5 $\pm$ 0.7, 10 $\pm$ 1.0, 15 $\pm$ 1.8, 20 $\pm$ 2.5, 30 $\pm$ 3.0, or customized	dB
Max. Optical Power (CW)	P	2	W
Max. Tensile Load		5	N
Fiber Type		PM Panda fiber	-
Operating Temperature	T	-40~85	$^{\circ}$ C
Storage Temperature	T	-40~85	$^{\circ}$ C
Package Dimension		$\Phi 3.0 \times L54$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}$ C.

For devices with connectors, EL will be 0.2dB higher. ER will be 2dB lower, Connectors only 1W CW optical power guarantee.

Slow axis is default aligned to the connector key.

### Drawing:



### Ordering Information (Part Number):

PMFIA- <b>WWW</b> - <b>PP</b> - <b>AA</b> - <b>J</b> - <b>LL</b> - <b>CC</b>					
<b>WWW</b>	<b>PP</b>	<b>AA</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Port	Attenuation	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	11 - 1x1	01 - 1dB	B - 250um Bare Fiber	05 - 0.5m	NE - None
1480 - 1480nm		02 - 2dB	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1550 - 1550nm		03 - 3dB		15 - 1.5m	FU - FC/UPC
1570 - 1570nm		05 - 5dB		20 - 2.0m	SA - SC/APC
1590 - 1590nm		10 - 10dB		SS - Specify	SU - SU/APC
1625 - 1625nm		15 - 15dB			LA - LC/APC
1650 - 1650nm		20 - 20dB			LU - LC/UPC
		30 - 30dB			SS - Specify
		SS - Specify			