

1550nm PM In-line Phase Shifter

1550nm PM In-line Phase Shifter is built with 45 degree Faraday Rotator and Wave Plate, which can generate a fixed phase difference from forward and back reflection light, it's widely used in Fiber Laser, Fiber Optic Sensor Optical Imaging field, it features low insertion loss, high extinction ratio, the high power type is available upon request.

Application:

Fiber Laser
Fiber Optic Sensor
Optical Imaging
Lab And Research

Features:

Low Insertion Loss
High Extinction Ratio
High Power
High Reliability



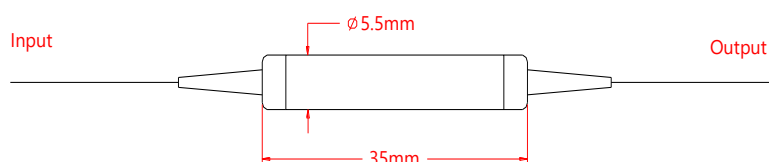
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1550	nm
Bandwidth	BW	± 15	nm
Max. Insertion Loss	IL	0.8	dB
Min. Extinction Ratio	ER	20	dB
Optical Phase Shifter		$\pi/2$, π or π	-
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500 or specify	mW
Max. Tensile Load		5	N
Fiber Type		PM 1550 Panda fiber	-
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L35$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower, slow axis is default aligned to the key.

Drawing:



Ordering Information (Part Number):

PMPS- WWW - SS - AA - J - LL - CC					
WWW	SS	AA	J	LL	CC
Wavelength	Phase Shift	Working Axis	Fiber Jacket	Fiber Length	Connector
1550 - 1550nm	P4 - $\pi/4$	F - Fast Axis Blocked	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSSS - Specify	P2 - $\pi/2$	B - Both Axes Working	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
	P1 - π			15 - 1.5m	FU - FC/UPC
	SS - Specify			20 - 2.0m	SA - SC/APC
				SS - Specify	SU - SU/APC
					LA - LC/APC
					LU - LC/UPC
					SS - Specify