

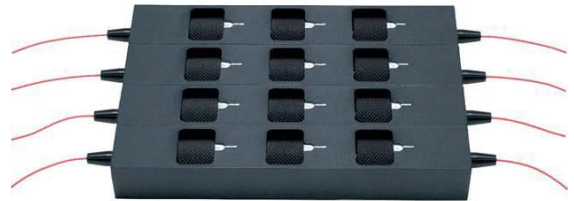
Manual Mini Polarization Controller

patents pending

Product Description

The **Manual Mini Polarization Controller** is based on a novel design featuring ultra-compact size, low loss, and high extinction. It contains three rotatable waveplates between a pair of collimators to provide all possible polarization states. Rotation is accomplished by using a screwdriver and locking in position via a magnet. It is designed for modules or systems with limited space.

1240nm to 1620nm is a standard operation band. Other wavelength bands can also be made with special orders



Performance Specifications

Parameters	Min	Typical	Max	Unit
Operating Wavelength	1060		2400	nm
Wavelength Bandwidth			300	nm
Insertion Loss ^[1]	0.3	0.4	0.7	dB
Return Loss	50			dB
Extinction Ratio (PM fiber)		26	32	dB
PDL	-		0.03	dB
PMD	-	-	0.05	ps
Driving Voltage	3	4	4.5	V
Driving Current (@35 dB for each channel)			60	mA
Optical Power Handling			0.5	W
Operating Temperature	0	20	60	° C
Storage Temperature	-10	-	70	° C

1. Without connectors, each connector adds 0.3dB

Features

- Low Loss
- High Reliability
- Compact

Applications

- Polarization Control
- Instrument
- Lasers

Dimensions For Package 5 (Unit: mm)

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

POCM-	1 1	<input type="checkbox"/>	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Type	Wavelength	Package	Fiber Type	Fiber Length	Connector				
	1240-1620=1 1060=2 850=8 980=9 Special = 0	Standard=5 Special=0	SMF28 =1 HI1060 =2 PM1550=3 PM1310=4 PM980=5 PM850=6 Special = 0	Bare fiber=1 900 μm tube=3 Special = 0	0.25 m= 1 0.5 m = 2 1.0 m= 3 Special =0	None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Duplex LC=8 Special=0			