

POLARIZATION MANAGEMENT MODULES

Pigtailed Polarization Controller – PolaRITE™



This version of the PolaRITE™ manual polarization controller is conveniently pigtailed with or without connectors. It can be spliced to other components with minimal loss, and is ideal for controlling the polarization state of light in any single mode fiber optic system. It is available in a regular (PLC-002) or miniature (PLC-M02) size for maximum flexibility.

Specifications:

Intrinsic Insertion Loss	< 0.05 dB
Return Loss	> 65 dB
Operating Wavelength ¹	480 nm, 633 nm, 780 nm, 820 nm, 980-1550 nm, 1260-1650 nm
Extinction Ratio	> 40 dB
Operating Temperature	-40 ~ 85 °C
Storage Temperature	-40 ~ 85 °C
Dimensions	PLC-002: 1.00" × 1.09" × 4.00" (W × H × L) PLC-M02: 1.00" × 1.09" × 3.00" (W × H × L)

Note: Values are referenced without connectors

1. 1260-1650nm and 980-1550 nm are the standard wavelength ranges for this product. Please contact General Photonics for information on other wavelength options.

Features:

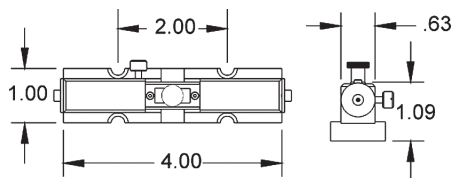
- Low Loss
- Low back reflection
- Compact
- Easy to connect
- Low cost
- Insensitive to wavelength variations
- Works with fibers of any size

Applications:

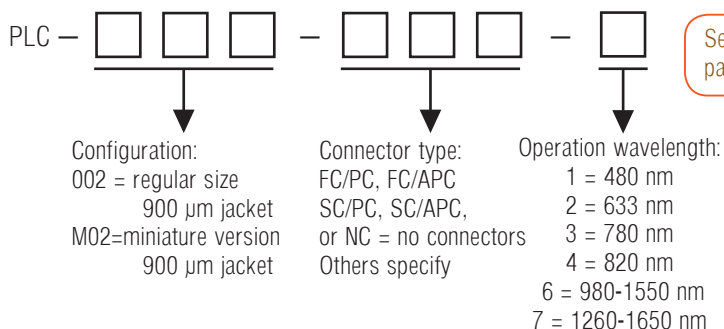
- High speed telecommunication systems
- WDM systems
- CATV systems
- Fiber laser
- Fiber sensor systems
- PM fiber systems
- Antenna remoting systems

Tech Info: p. 93
App note: p. 125

Dimensions:



Ordering Information:



See page 50 for fully connectorized polarization controller,
page 49 for drop-in polarization controller

