

1064 nm Polarization Maintaining Isolator For Pulse Application (DL-PMI-06-V-W-X-Y-Z-P)

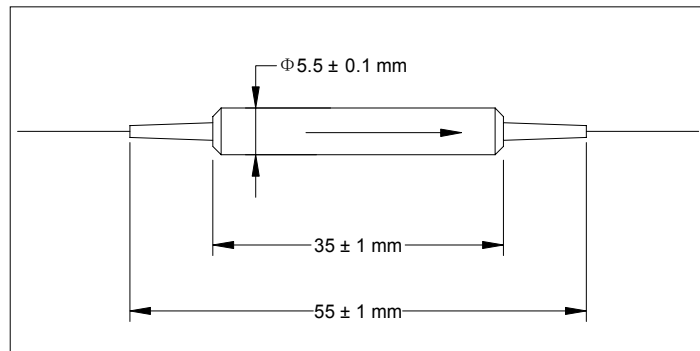
The 1064 nm Polarization Maintaining Isolator provides low insertion loss, high isolation, high return loss, high extinction ratio and excellent environmental stability and reliability. It can handle very high peak power and can be used for pulse amplifiers, pulse fiber lasers and test instrument applications.

A. Specifications

| Parameter | Single Stage | | Dual Stage | | Unit |
|----------------------------------------------------|--------------|---------|------------|---------|------|
| | Grade P | Grade A | Grade P | Grade A | |
| Center Wavelength (λ_c) | 1064 | | | | nm |
| Typ. Peak Isolation | 38 | 36 | 55 | 52 | dB |
| Min. Isolation, λ_c , 23 °C | 35 | 32 | 45 | 42 | dB |
| Typ. Insertion Loss, λ_c , 23 °C | 1.5 | 1.6 | 2.4 | 2.6 | dB |
| Max. Insertion Loss, λ_c , all temperature | 2.0 | 2.2 | 3.4 | 3.6 | dB |
| Min. Extinction Ratio | 20 | 18 | 20 | 18 | dB |
| Min. Return Loss (Input/Output) | 55/50 | 55/50 | 55/50 | 55/50 | dB |
| Max. Average Optical Power | 300 | | | | mW |
| Max. Peak Power for ns pulse | 10 | | | | kW |
| Operating Temperature | -5 to +50 | | | | °C |
| Storage Temperature | -40 to +85 | | | | °C |

*IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

B. Package Dimensions



C. Ordering Information

DL-PMI-06-V-W-X-Y-Z-P

| | | | | |
|------------------|-------------|-------------------|-----------------------------|-----------------|
| V: Stage | W: Grade | X: Connector Type | Y: Fiber Type (PM 980) | Z: Fiber Length |
| 1 - Single stage | P - Premium | 1 - FC/UPC | B - 250 μ m Panda fiber | Q - 0.75 m |
| 2 - Dual stage | A - A grade | 2 - FC/APC | L - 900 μ m loose tube | S - Specify |
| | | 3 - SC/UPC | S - Specify | |
| | | 4 - SC/APC | | |
| | | N - None | | |