

## Optical (TGG Type) Isolator: Polarization-Maintaining (PM) (532, 635, 650, 780, 850, 980, 1030, 1060nm)

### Specifications

Contact Hengyan Photonics with your custom specification needs.

| Parameter                                    |          | Unit | 532nm                | 635nm                | 650nm                | 780nm                | 850nm                | 980nm                | 1030nm               | 1060nm               |
|----------------------------------------------|----------|------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Isolation ( $\lambda_c$ )<br>(23°C, All SOP) | Typ.     | dB   | 26                   | 26                   | 26                   | 28                   | 28                   | 30                   | 30                   | 30                   |
|                                              | Min      | dB   | 23                   | 23                   | 23                   | 24                   | 24                   | 25                   | 25                   | 25                   |
| Insertion Loss<br>(Fast Axis Blocked)        | Max      | dB   | 2.0                  | 1.8                  | 1.8                  | 1.5                  | 1.5                  | 1.2                  | 1.2                  | 1.2                  |
| Extinction Ratio                             | Min      | dB   | 18                   | 18                   | 18                   | 20                   | 20                   | 20                   | 20                   | 20                   |
| Return Loss                                  | Min      | dB   | 45                   | 45                   | 45                   | 45                   | 45                   | 45                   | 45                   | 45                   |
| Optical Power Handling                       | Max      | mW   | 50                   | 100                  | 100                  | 150                  | 150                  | 250                  | 250                  | 250                  |
| Package Dimension                            | Cylinder | mm   | $\Phi 21 \times L60$ | $\Phi 21 \times L60$ | $\Phi 21 \times L60$ | $\Phi 24 \times L65$ | $\Phi 24 \times L65$ | $\Phi 24 \times L80$ | $\Phi 24 \times L80$ | $\Phi 24 \times L80$ |
| Operating Temperature                        |          | °C   | 10 to 50             |                      |                      |                      |                      |                      |                      |                      |
| Storage Temperature                          |          | °C   | 0 to 60              |                      |                      |                      |                      |                      |                      |                      |

\* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & ER.

\* The connector key is aligned to slow axis.

### Ordering Information

Contact Hengyan Photonics with your custom configuration needs.

| PMVIS | Wavelength  | Fiber Type                  | Cable Type                  | Fiber Length | Connector | Max. Power*<br>(Optional) |
|-------|-------------|-----------------------------|-----------------------------|--------------|-----------|---------------------------|
| PMVIS | 532=532nm   | PM=Polarization-Maintaining | B=250um<br>L=900um<br>H=3mm | 10=1.0m      | NE=None   | X=Others                  |
|       | 635=635nm   |                             |                             | 15=1.5m      | FA=FC/APC |                           |
|       | 650=635nm   |                             |                             | 20=2.0m      | FC=FC/PC  |                           |
|       | 780=780nm   |                             |                             | 30=3.0m      | SA=SC/APC |                           |
|       | 850=850nm   | PM460HP                     | X=Others                    | X=Others     | SC=SC/PC  |                           |
|       | 980=980nm   | PM630HP                     |                             |              | ST=ST/PC  |                           |
|       | 1030=1030nm | PM780HP                     |                             |              | LA=LC/APC |                           |
|       | 1060=1060nm | PM980                       |                             |              | LC=LC/PC  |                           |
|       | X=Others    | X=Others                    |                             |              | X=Others  |                           |

\* Max. Power affects other specifications.

### Package Dimensions

