# Polarization Maintaining Dual Stage Isolator TGG based

(780, 808, 850, 880, 980, 1030, 1064, 1080nm)

| Features | Applications |
|---|---|
| ● Low Insertion Loss | ● Optical Fiber Amplifier |
| ● High Return Loss | ● Optical Fiber laser |
| ● High Extinction Ratio | ● Fiber Instrument |

**Specifications**

| Parameters | Unit | Values | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Operating Wavelength | nm | 780 | 808 | 850 | 880 | 980 | 1030 | 1064 | 1080 |
| Wavelength Bandwidth | nm | ±5 | ±5 | ±5 | ±5 | ±5 | ±5 | ±5 | ±5 |
| Insertion Loss | dB | ≤1.2 | ≤1.2 | ≤1.2 | ≤1.2 | ≤1.2 | ≤1.2 | ≤1.2 | ≤1.2 |
| Min. Isolation | dB | ≥55 | ≥55 | ≥55 | ≥55 | ≥55 | ≥55 | ≥55 | ≥55 |
| Peak Isolation | dB | ≥65 | ≥65 | ≥65 | ≥65 | ≥65 | ≥65 | ≥65 | ≥65 |
| Extinction Ratio | dB | ≥20 | ≥20 | ≥20 | ≥20 | ≥20 | ≥20 | ≥20 | ≥20 |
| Fiber Type | / | PM780 | PM780 | PM780 | PM780 | PM980 | PM980 | PM1060 | PM1060 |
| Max Power Handling (CW) | W | 0.5, 1 or 20 | | | | | | | |
| Stage | / | Dual stage | | | | | | | |
| Return Loss | dB | ≥45 | | | | | | | |
| Tensile Load | N | ≤5 | | | | | | | |
| Operating Temperature | ℃ | 0~+60 | | | | | | | |
| Storage Temperature | ℃ | -10~+75 | | | | | | | |
| Package Dimension | mm | 150x28x26 | | | | | | | |

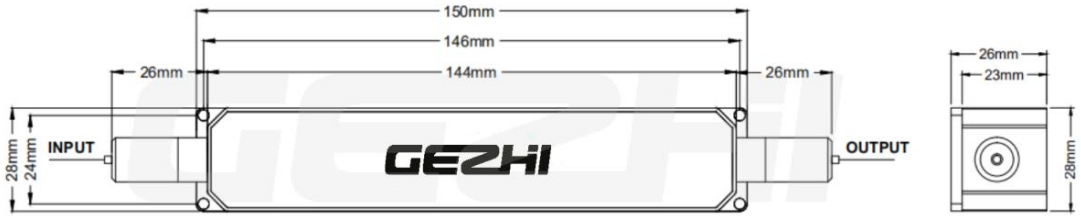
Note:

1.Above specifications are for device without connector, If with connector, IL will be 0.3dB higher, return loss with be reduce 5dB and Extinction Ratio will reduce 2dB.

2. If there is pulse application, please be sure to inform us of pulse energy and peak power.

**Dimensions**

PM dual stage Isolator TGG Based




**Ordering Information PMISO-X-XXXX-X-XX-XXXX-XX-XX-XX-XX-XX**

| | |
|---|---|
| ①Stage: | D=Dual Stage |
| ②Wavelength: | 780; 808; 850; 880; 980; 1030; 1064; 1080; S=Specify |
| ③Axis Alignment: | B=Both axis working; F=Slow axis working, Fast axis blocked |
| ④Power Handling: | 0L=0.5W; 01=1W; 02=2W; 10=10W; S=Specify |
| ⑤Fiber Type : | PM780; PM980; PM1060; S=Specify |
| ⑥Package Dimensions: | T3=150x28x26mm; S=Specify |
| ⑦Pigtail Type: | 00=bare fiber; 09=900um loose tube |
| ⑧Fiber Length: | 08=0.8m; 10=1m; S=Specify |
| ⑨Connector Type: | FA=FC/APC; FP=FC/UPC; SA=SC/APC; SP=SC/UPC; S=Specify |
| ⑩Peak Power for Pulse: | 00=Continuous Wave, 10=10kW, 20=20kW, SS=Specified |