# PM Tap Isolator Hybrid 1550 1310nm

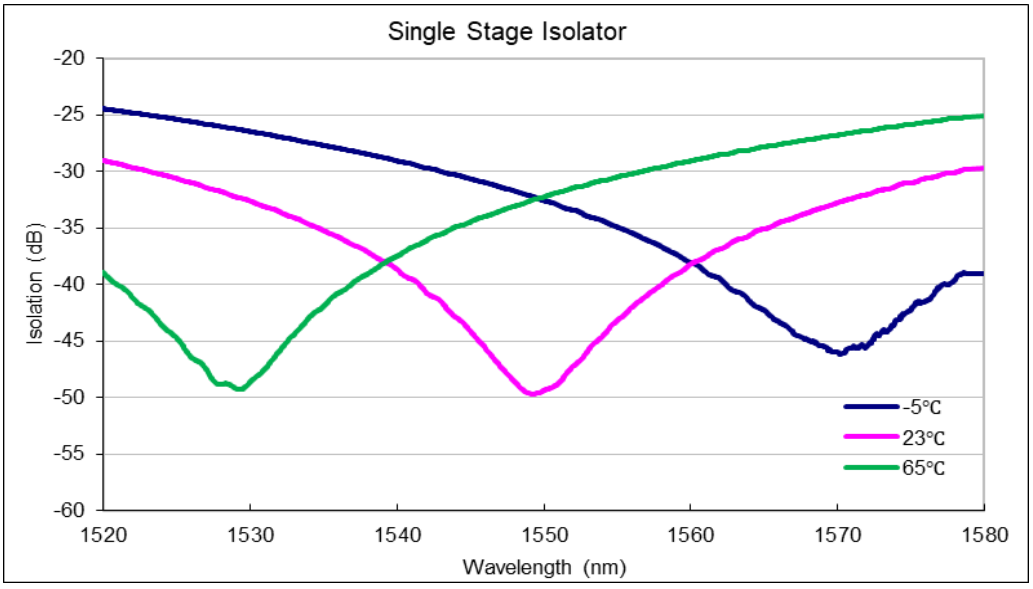
## Specifications

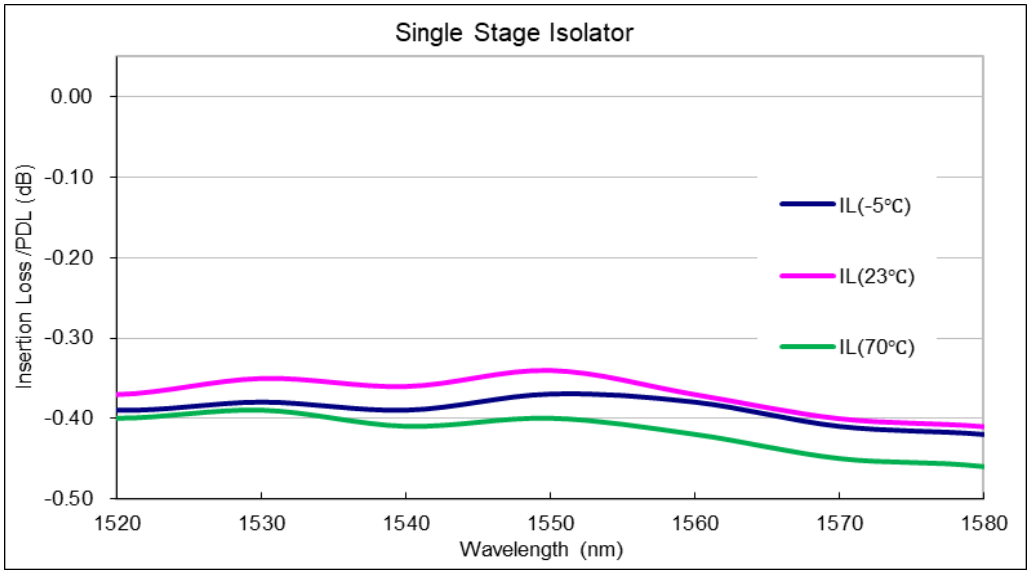
| Parameters | | Unit | Single Stage | Dual Stage |
|---|---|---|---|---|
| Center Wavelength | | nm | 1550, 1310 | |
| Operating Wavelength Range | | nm | ±20 | |
| Excess Loss (EL) | | dB | ≤0.8 | ≤0.9 |
| Tap Ratio | | % | 1/99; 2/98; 3/97; …… ; 50/50 | |
| Wavelength Dependent Loss at Tap port | B type | dB | ≤0.05 | ≤0.05 |
| | F type | dB | ≤0.10 | ≤0.20 |
| Wavelength Dependent Loss at Output port | B type | dB | ≤0.10 | ≤0.20 |
| | F type | dB | ≤0.10 | ≤0.20 |
| Typ. Peak Isolation | | dB | 40 | 58 |
| Isolation, $\lambda_{op}$, 23℃, all polarization states | | dB | ≥28 | ≥48 |
| Extinction Ratio (B-Type) | | dB | ≥20 | |
| Extinction Ratio (F-Type) | | dB | ≥22 | |
| Return Loss | | dB | ≥50 | |
| Directiviy | | dB | ≥50 | |
| Power Handling | | mW | 500 | |
| Fiber Type | Tap Port | -- | SMF-28e or PM Fiber | |
| | Input & Output | -- | PM Fiber | |
| Operating Temperature | | ℃ | -5 ~ +70 | |
| Storage Temperature | | ℃ | -40 ~ +85 | |
| Dimensions | | mm | φ5.5x35 | |

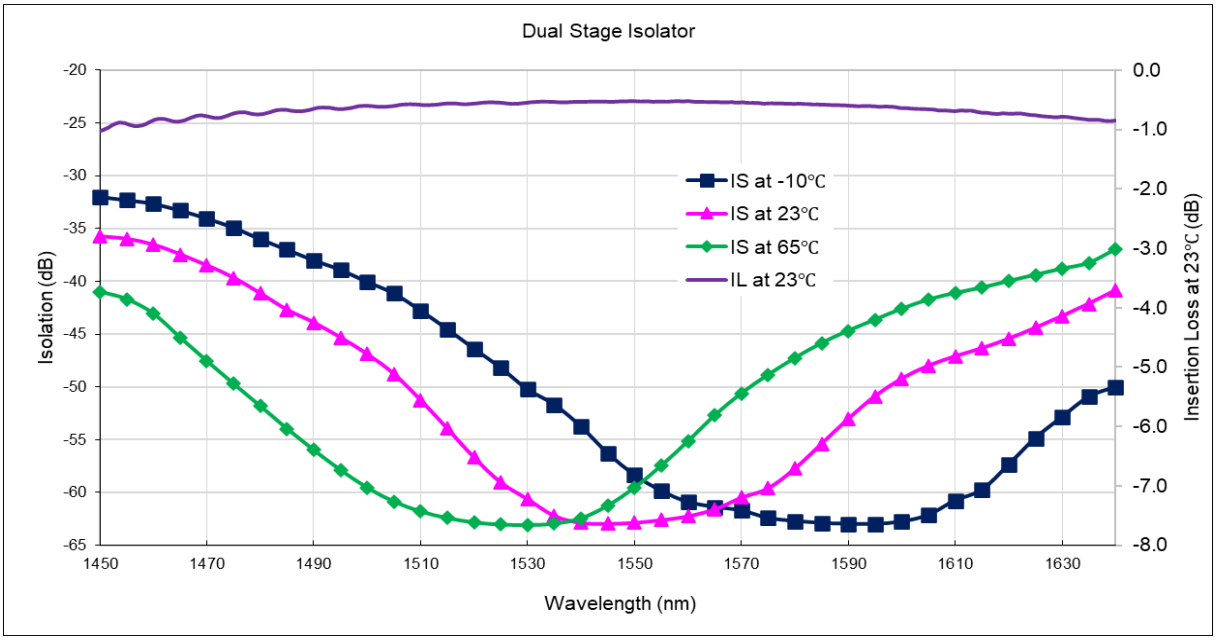
*For devices with connectors, IL+0.3dB, RL-5dB, ER-2dB.

*The default connector key is aligned to slow axis.

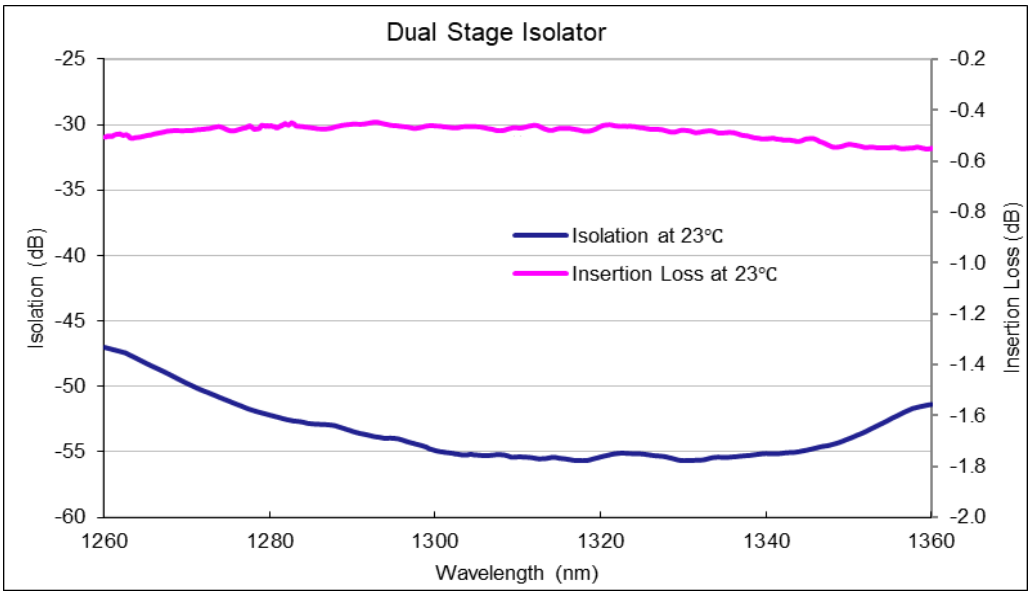
## Typical Spectrum (1550nm)



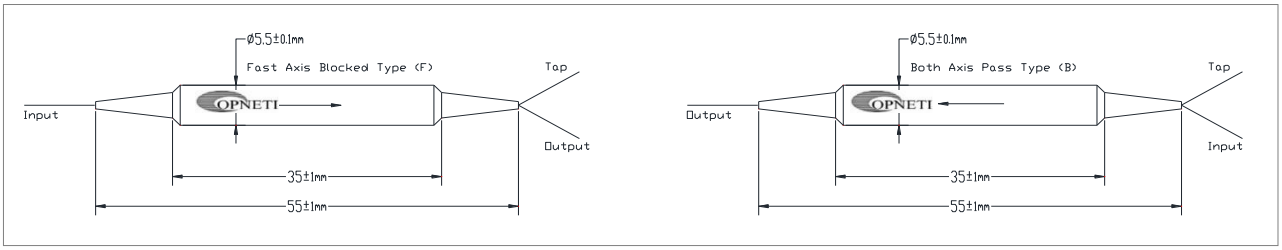



## Typical Spectrum (1310nm)



## Package Dimensions




## Ordering Information

**PMTISO-** ①①①①-②-③③③③-④-⑤⑤⑤-⑥-⑦-⑧⑧-⑨⑨⑨⑨⑨⑨

| | | |
|---|---|---|
| ① | Wavelength | 1550; 1310; |
| ② | Type | S=Single Stage; D=Dual Stage; |
| ③ | Tap Ratio | 1/99; 2/98; 3/97; …… ; 50/50; |
| ④ | Axis Alignment | F=Fast Axis Blocked; B=Both Axis Working; |
| ⑤ | Pigtail Type | 250=250μm bare fiber; 900=900μm loose tube; |
| ⑥ | Fiber Type@ Tap Port | 1=SMF-28e; P15=PM1550; P13=PM1300; |
| ⑦ | Length | 1=1m; |
| ⑧ | Connector | NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other; |
| ⑨ | Dimensions | 5.5X35; |