

### Polarization Maintaining Tap Isolator

Features	Applications
<ul style="list-style-type: none"> <li>● Low Insertion Loss</li> <li>● High Return Loss</li> <li>● High Extinction Ratio</li> </ul>	<ul style="list-style-type: none"> <li>● Optical Fiber Amplifier</li> <li>● Optical Fiber laser</li> <li>● Fiber Instrument</li> </ul>

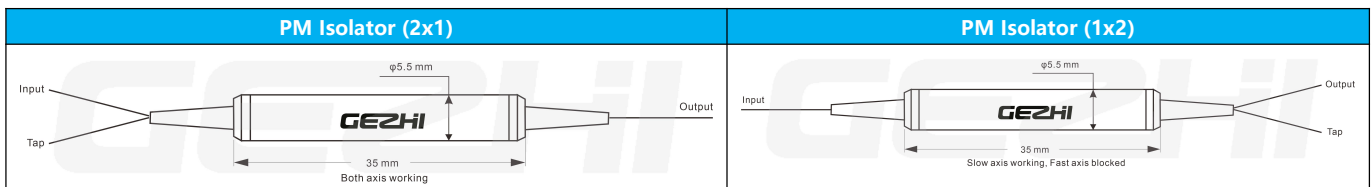
#### Specifications

Parameters	Unit	Values			
Operating Wavelength	nm	1550		1064	
Wavelength Bandwidth	nm	±15		±5	
Stage	/	Single	Dual	Single	Dual
Insertion Loss	dB	≤1.0	≤1.2	≤2.2	≤3.5
Tap port Coupling Ratio	%	1±0.2%, 5±1%, 50±2%		1±0.2%, 5±1%, 50±2%	
Min. Isolation	dB	≥20			
Peak Isolation	dB	28			
Extinction Ratio	dB	≥20			
Return Loss	dB	≥50			
Max Power Handling (CW)	mW	≤500			
Tensile Load	N	≤5			
Operating Temperature	°C	0~+70			
Storage Temperature	°C	-40~+85			
Package Dimension	mm	Φ5.5×35			

Note:

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

#### Dimensions



- ①: 2x1 (Input→Output: Slow axis work,fast axis blocked; Input→Tap: Both axis work)
- ②: 2x1 (Input→Output: Both axis work; Input→Tap: Both axis work)
- ③: 2x1 (Input→Output: Both axis work; Input→Tap: PM→Non-PM,Polarization Independent)
- ④: 1x2 (Input→Output: Slow axis work,fast axis blocked; Input→Tap: Slow axis work,fast axis blocked;)
- ⑤: 1x2 (Input→Output: Slow axis work,fast axis blocked; Input→Tap: PM→Non-PM,Polarization Independent)

#### Ordering Information PMTISO-X-XXXX-X-XX-XXXX-XX-XX-XX-XX

①Stage:	S=Single Stage; D=Dual Stage
②Wavelength:	1550; 1064nm; S=Specify
③Axis Alignment:	1=①; 2=②; 3=③; 4=④; 5=⑤;
④Tap Coupling Ratio:	01=1%; 02=2%;.....;50=50%
⑤Fiber Type :	PM1060; PM1550; S=Specify
⑥Package Dimensions:	S1=5.5x35mm; S=Specify
⑦Pigtail Type:	00=bare fiber; 09=900um loose tube
⑧Fiber Length:	08=0.8m; 10=1m; S=Specify
⑨Connector Type (In & Out):	FA=FC/APC; FP=FC/UPC; SA=SC/APC; SP=SC/UPC; S=Specify
⑩Connector Type (Tap):	FA=FC/APC; FP=FC/UPC; SA=SC/APC; SP=SC/UPC; S=Specify