

PM Tap Isolator

Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation

Applications

- Compact Fiber Amplifiers
- Compact Fiber Optical System
- Fiber Laser
- Fiber Sensor

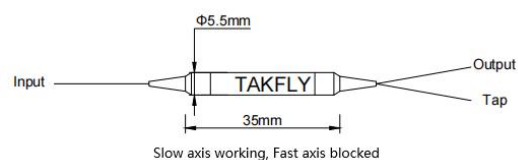
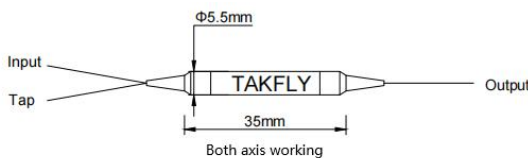
Specifications

Parameter	Unit	Value			
Stage	-	Single	Dual	Single	Dual
Operating Wavelength Range	nm	1550±15		1064±5	
Max. Excess Loss	dB	1.0	1.2	2.2	3.5
Signal Tap Ratio	%	1±0.2%, 5±1%, 50±2%			
Typ. Peak Isolation	dB	40	52	40	52
Min. Isolation at 23℃	dB	28	45	28	45
Min. Extinction Ratio at 23℃	dB	20			
Min. Return Loss	dB	50			
Max. Optical Power(CW)	mW	500		300	
Max. Tensile Load	N	5			
Fiber Type	-	PM Panda Fiber			
Operating Temperature	℃	0~+70			
Storage Temperature	℃	-40~+85			

For device with connector, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.

The default connector key is aligned to slow axis.

More Details



Options for Working Axis

Option 1, 2x1

Input to Output: Fast axis blocked,
Input to Tap: Both axis working,

Option 2, 2x1

Input to Output: Both axis working,
Input to Tap: Both axis working,

Option 3, 2x1

Input to Output: Both axis working,
Input to Tap: PM to SM, Polarization Insensitive

Option 4, 1x2

Input to Output: Fast axis blocked,
Input to Tap: Fast axis blocked,

Option 5, 1x2

Input to Output: Fast axis blocked,
Input to Tap: PM to SM, Polarization Sensitive

Ordering Information

PMTIS-1111-2344-555-666-78-9-AAB

1111 - Wavelength:	1550=1550nm, 1310=1310nm, 1064=1064nm,.....
2 - Working Axis:	1=Option 1, 2=Option 2, 3=Option 3, 4=Option 4, 5=Option 5
3 - Stage:	S=Single-core stage, D=Dual-core stage
44 - Tap ratio:	01=1%, 02=2%,, 50=50%
555 - Fiber Type for In & Out:	001=PM1550, 002=PM1310, 003=PM980, SSS=Specify
666 - Fiber Type for Tap:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
7 - Package Dimension:	0=φ5.5x35mm, S=Specify
8 - Pigtail Type:	0=bare fiber, 1=900μm loose tube
9 - Fiber Length:	0.75=0.75m, 1.0=1m, S=Specify
AA - Connector for In & Out:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify
B - Connector for Tap:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify

For example: Product model PMTIS-1064-1S01-003-003-01-0.75-000 on behalf of:

PM Tap Isolator, 1064nm, Option 1 (Input to Output: Fast axis blocked; Input to Tap: Both axis working), Single-core stage, 1/99, PM980 fiber for all ports, φ5.5x35mm, 900um loose tube, 0.75m, FC/UPC connectors for all ports.