

PM Tap & Isolator & WDM Hybrid (Faraday Based)

Features

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

Applications

- EDFA
- Pump Laser
- Optics Cutting
- Research

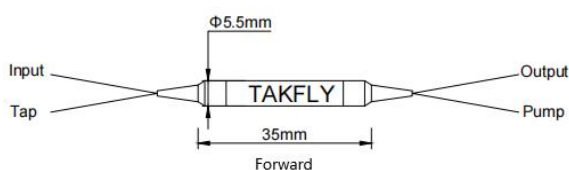
Specifications

Parameter		Unit	Value			
Stage		-	Single	Dual	Single	Dual
Signal Wavelength		nm	1064±5		1550±15	
Signal Wavelength Range		nm	1020~1080		1520~1580	
Max. Excess Loss, λ_c , at 23°C (Input to Output)		dB	2.5	3.5	1.3	1.4
Min. Signal Isolation, $\lambda_c \pm 15$ at 23°C (Output to Input)		dB	35	45	28	45
Isolation for Channels	Signal Channel	dB	30			
	Pump Channel	dB	12			
Tap Ratio		%	1~50			
Pump Wavelength Range		nm	980±10			
Max. Insertion Loss (Pump Channel)		dB	0.7			
Min. Extinction Ratio at 23°C (PM Fiber Channel)		dB	20			
Min. Return Loss		dB	50			
Max. Optical Power(CW)		mW	300			
Max.Tensile Load		N	5			
Operating Temperature		°C	-5~+50			
Storage Temperature		°C	-40~+85			

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

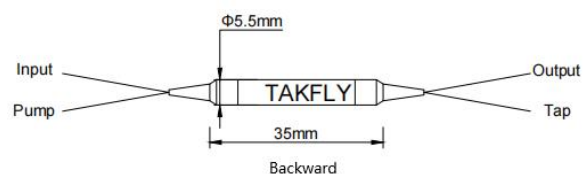
The default connector key is aligned to slow axis.

More Details



Option 1, Forward pump

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



Option 2, Forward pump

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

Option 3, Backward pump

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

Option 4, Forward pump

Input to Tap: PM to SM, PI
Input to Output: Fast axis blocked

Option 5, Forward pump

Input to Tap: PM to SM, PI
Input to Output: Both axis working

Option 6, Backward pump

Input to Tap: PM to SM, PS
Input to Output: Fast axis blocked

PI: Polarization Insensitive

PS: Polarization Sensitive

Ordering Information

PMTIWDM-1111-2344-555-666-777-89-A-BCDE

1111 - Wavelength:	5598=T1550/R980nm, 0698=T1064/980nm
2 - Working Axis:	1=Option 1, 2=Option 2, 3=Option 3, 4=Option 4, 5=Option 5, 6=Option 6
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 Pump:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
777 - Fiber type for Tap:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
8 - Package Dimension:	0=φ5.5x35mm, 1=φ5.5x50mm, S=Specify
9 - Pigtail Type:	0=bare fiber, 1=900μm loose tube
A - Fiber Length:	0.75=0.75m, 1.0=1m, S=Specify
B - Connector Type for Input:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify
C - Connector Type for Output:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify
D - Connector Type for Pump:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify
E - Connector Type for Tap:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify

For example: Product model PMTIWDM-5598-1S01-001-003-001-00-0.75-NNNN on behalf of:

PMTIWDM, T1550/R980, Option1(Forward pump, Input to Tap: Both axis working, Input to Output: Fast axis blocked), Single-core, 1% tap ratio, in&out&tap: PM1550 fiber, Pump: PM980 fiber, 5.5x35mm package, bare fiber, 0.75m, no connector.