

# PM Hybrid Tap & Isolator & WDM

(T1064/R980 T1550/R980)

## Features

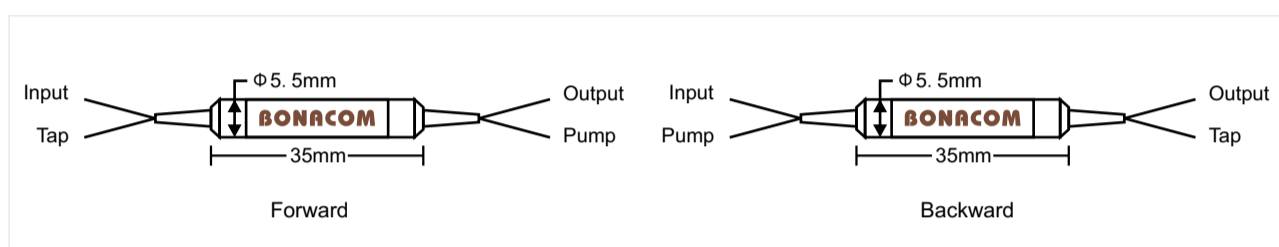
- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation

## Applications

- EDFA
- Pump Laser
- Optics Cutting
- Research



## Package Dimensions



### 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

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## Specifications

Parameter	Unit	Value			
		Single	Dual	Single	Dual
Stage	-	Single	Dual	Single	Dual
Signal Wavelength	nm	1064±5		1550±15	
Signal Wavelength Range	nm	1020~1080		1520~1580	
Max. Excess Loss, $\lambda_c$ , at 23°C (Input to Output)	dB	2.5	3.5	1.3	1.4
Min. Signal Isolation, $\lambda_c$ , ±15 at 23°C (Output to Input)	dB	35	45	28	45
Isolation for Channels	Signal Channel	dB			
	Pump Channel	dB			
Tap Ratio	%	1~50			
Pump Wavelength Range	nm	980±10			
Max. Insertion Loss (Pump Channel)	dB	0.7			
Min. Extinction Ratio at 23°C, only for PM 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			

## Ordering Information

PMTIWDW-1111-2344-555-666-777-89A-BBBB

1111	-Operating Wavelength:	1598=T1550/R980nm 0398=T1030/980nm
2	-Axis Alignment:	1=Option 1, 2=Option 2, 3=Option 3, 4=Option 4, 5=Option 5, 6=Option 6
3	-Core 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, 004=Hi1060, 008=SMF-28E
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=Specified
9	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
A	-Fiber Length:	0=0.8m, 1=1m
BBBB	-Connector Type for Input, Output, Pump, Tap port:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None

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