

# PM Tap Isolator

(1550nm, 1064nm)

## Features

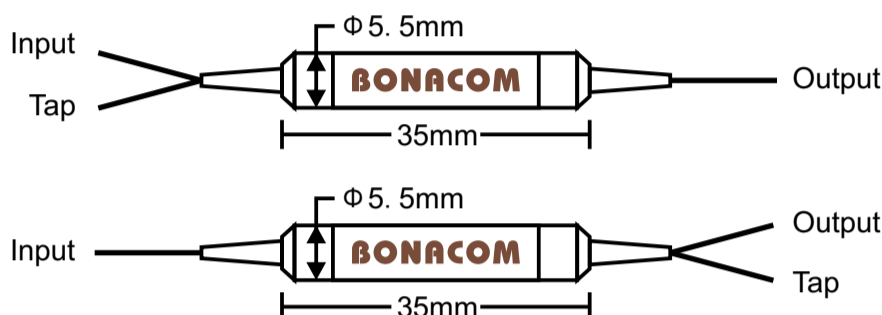
- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation

## Applications

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



## Package Dimensions



## Options for Axis Alignment

1	Option 1	Input to Output: Fast axis blocked, Input to Tap: Both axis working,
2	Option 2	Input to Output: Both axis working, Input to Tap: Both axis working,
3	Option 3	Input to Output: Both axis working, Input to Tap: PM to SM, Polarization Insensitive
4	Option 4	Input to Output: Fast axis blocked, Input to Tap: Fast axis blocked,
5	Option 5	Input to Output: Fast axis blocked, Input to Tap: PM to SM, Polarization Sensitive

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## Specifications

Parameter	Unit	Value			
		Single	Dual	Single	Dual
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°C	dB	28	45	28	45
Min. Extinction Ratio at 23°C	dB	20			
Min. Return Loss	dB	50			
Max. Optical Power(CW)	mW	500			
Max. Tensile Load	N	5			
Operating Temperature	°C	0~+70			
Storage Temperature	°C	-40~+85			

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower.  
The default connector key is aligned to slow axis.

## Ordering Information

PMTIS-1111-2334-555-666-789-AAA

1111	-Center Wavelength:	1550=1550nm, 1064=1064nm
2	-Stage:	S=Single-core stage, D=Dual-core stage
33	-Tap ratio:	01=1%, 02=2%, ....., 50=50%
4	-Axis Alignment:	1=Option 1, 2=Option 2, 3=Option 3, 4=Option 4, 5=Option 5
555	-Fiber Type for In & Out:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
666	Fiber Type for Tap:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
7	-Package Dimension:	0=φ5.5x35mm, S=Specified
8	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
9	-Fiber Length:	0=0.8m, 1=1m
AAA	-Connector for In, Out, Tap:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None

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