

Tap & Isolator & WDM Hybrid Polarization Insensitive

T1064/R980 T1550/R980

Features

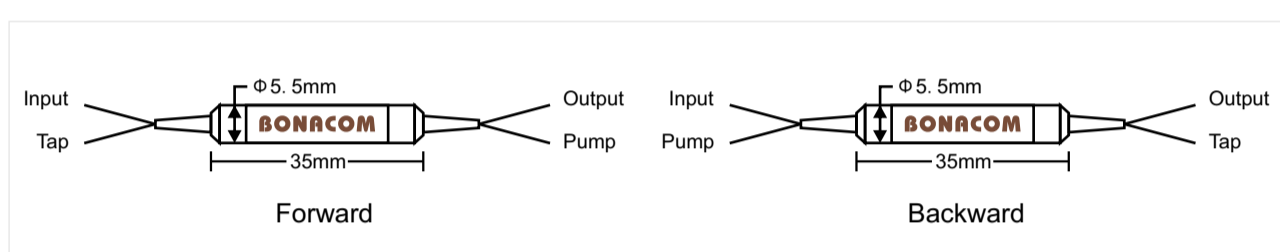
- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation

Applications

- EDFA
- Pump Laser
- Optics Cutting
- Research



Package Dimensions



1 Option 1, Forward pump

Input to Tap: PI
Pump to Output: PI
Input to Output: PS

2 Option 2, Forward pump

Input to Tap: PI
Pump to Output: PI
Input to Output: PI

3 Option 3, Backward pump

Input to Tap: PS
Pump to Input: PI
Input to Output: PS

PI: Polarization Insensitive
PS: Polarization Sensitive

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Bonacom Technology reserves the right to change any specifications without prior notice.

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Specifications

Parameter	Unit	Value			
		Single	Dual	Single	Dual
Stage	-	Single	Dual	Single	Dual
Signal Central Wavelength	nm	1064		1550	
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	31	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			
Max. Polarization Dependent Loss at 23°C	dB	0.15			
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

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

1111	-Operating Wavelength:	1598=T1550/R980nm, 0398=T1030/980nm
2	-Axis Alignment:	1=Option 1, 2=Option 2, 3=Option 3,
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
BCDE	-Connector for Input-output-Pump-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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