

PMTIWDM Hybrid

Features

- *Low insertion loss
- *High Return Loss
- *High extinction ratio
- *Excellent stability and reliability

Applications

- * Fiber Lasers
- * Fiber Sensors
- * Testing Systems

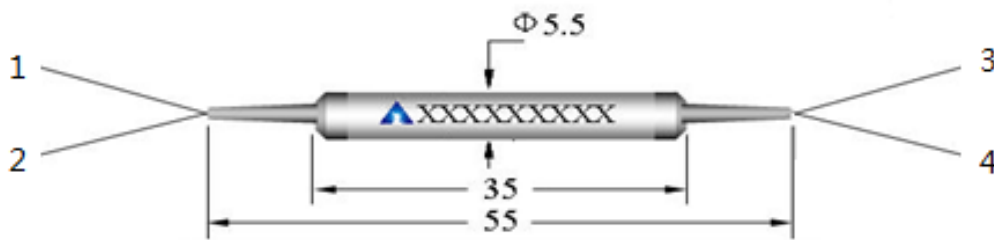


Specifications

Parameters	Unit	Single Stage	Dual Stage
Signal Wavelength Range	nm	1025~1035	
Pump Wavelength Range	nm	970~982	
Max. Signal Insertion Loss@1030nm, 23°C (Signal to Output)	dB	3.7	5.6
Max. Signal Insertion Loss@1025~1035nm, 0~50°C (Signal to Output)	dB	4.7	7.7
Max. Pump Insertion Loss(Pump to Output)	dB	0.7	
Signal Tap Ratio(Signal to Tap)	%(dB)	5+1/-1.5(12.2~14.6)	
Typ. Signal Peak Isolation(Output to Signal)	dB	35	50
Min. Signal Isolation at 23°C(Output to Signal)	dB	30	45
Min. Isolation(for Signal to output @Pump Wavelength)	dB	30	
Min. Isolation(for Output to Pump@Signal Wavelength)	dB	12	
Min. Directivity(@980nm for Pump to Signal & Tap and @1064nm for Signal to Pump)	dB	50	
Min. Extinction Ratio(Signal to Output)	dB	22	
Max. PDL(Signal to Tap & Pump to Output)	dB	0.1	
Min. Return Loss (for all ports)	dB	50	
Max. Optical Power	-	Average 1030-1060nm power 60mW, peak power 330W, pulse duration 6ps, pulse frequency 30MHz, pulse energy 2nJ. 980nm power – up to 300mW.	
Max. Tensile Load	N	5	
Fiber Type		PM 980 Panda Fiber for Signal and Output Ports, Hi 1060 Fiber for Pump and Tap Port	
Operating Temperature	°C	0 to +50	
Storage Temperature	°C	-40 to +85	

Remark: * **Fiber with expanded core technology.**

* The Above specifications is without connector. IL is 0.3dB higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.



Ordering Information

PMTIWDM - A - B - C - D - E - F - G - H - I - J - K		
A	Stage	S=Single Stage, D= Dual Stage
B	Signal/ Pump Wavelength	1030/974=1025~10350nm/970~982nm ,S=Special
C	Pump Direction	F = Forward Pump
D	Tap Ratio	01=1/99,02=2/98,05=5/95,.....,10=10/90,20=20/80,30=30/70,.....50=50/50,or others
E	Axis Alignment (Signal to Output)	F=Slow axis working, Fast axis blocked
F	Pigtail Type	BF=bare fiber, 0.9=0.9mm loose tube
G	Fiber Type (Signal and Common Port)	PM980
H	Fiber Type (Pump and Tap Port)	Hi1060
I	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
J	Package Size	5.5x35mm
K	Fiber length	003=0.3m, 005=0.5m; 010=1.0m;100=10m etc
For example: PMTIWDM-S-1030/974-F-05 -F-BF -PM980-Hi1060-N-5.5x35-010		