

PM Polarizer WDM Hybrid

(T1030/R974)

Descriptions

The PM Polarizer WDM Hybrid is characterized with low insertion loss, high isolation, high extinction Ratio, high return loss, excellent environmental stability and reliability.

Features

- ▶ High Isolation
- ▶ Low Insertion Loss
- ▶ High Return Loss
- ▶ High Extinction Ratio
- ▶ High stability & Reliability

Applications

- ▶ Fiber Laser
- ▶ Testing Instrument
- ▶ Fiber Amplifier

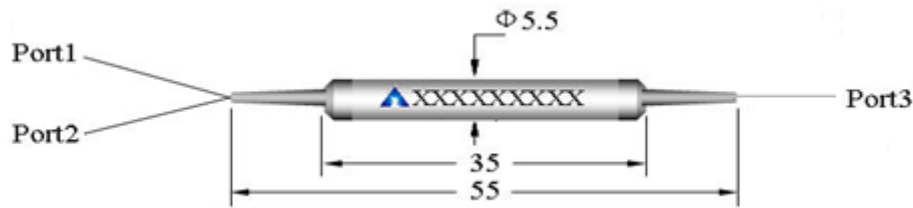


Specifications

Parameters	Unit	Values	
Grade	-	Grade P	Grade A
Signal Band Wavelength Range	nm	1025~1070	
Reflection Band Wavelength Range	nm	970~985	
Typ. Signal IL, 23℃ (only at Slow Axis)	dB	0.5	
Max. Signal IL (only at Slow Axis)	dB	0.7	
Typ. IL over Reflection Band	dB	0.4	
Max. IL over Reflection Band	dB	0.6	
Min. Isolation, port 1 to port 2, Signal Wavelength	dB	13	
Min. Isolation, Signal Channel, Reflection Wavelength	dB	30	
Min. Return Loss	dB	50	
Min. Extinction Ratio (only for Signal Channel, C↔P)	dB	25	23
Min. PDL (only for Signal Channel)	dB	23	
Max. PDL (only for Reflection Channel)	dB	0.1	
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 Panda Fiber for Signal and Common Port, HI 1060 Fiber for Reflection Port.	
Operating Temperature	℃	-5 to +50	
Storage Temperature	℃	-40 to +85	

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

* The Above specifications is without connector. IL is 0.30dB higher, RL is 5dB lower and ER is 3dB lower for each connector added. The default connector key is aligned to slow, the connector handle power $\leq 0.5W$



Ordering Information

PMPWDM - A - B - C - D - E - F - G - H - I		
A	Grade	P= Premium, A = A Grade
B	Wavelength	T1030/R974, or others
C	Fiber Type (Signal and Common Port)	PM980
D	Fiber Type (Reflection Port)	HI 1060
E	Pigtail Type	BF=Bare Fiber, 0.9=0.9mm Tube
F	Axis Alignment (Signal Port)	F=Slow axis working, Fast axis blocked
G	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
H	Package Size	5..5x35mm or others
I	Fiber length	003=0.3m, 005=0.5m; 010=1.0m 100=10m etc
For example: PMPWDM-P- T1030/R974-PM980-Hi1060-BF-F-N-5.5x35-010		