

Polarization Maintaining Isolator/Wavelength Division Multiplexer Hybrid (DL-PMIWDM-SS-T-U-V-W-X-Y-Z)

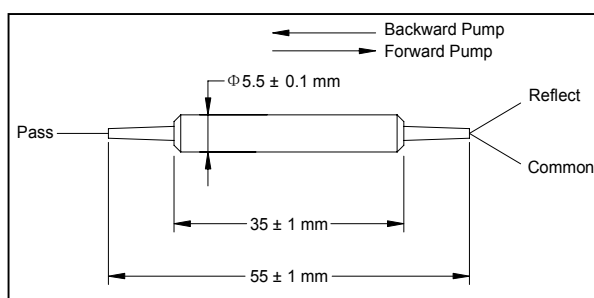
The PMIWDM series is a combination of Filter WDM and isolator into a single package. It can be used for fiber amplifier application to combine signal and pump wavelengths with very stable 1550 nm signal isolation.

A. Specifications

Parameter		Single Stage	Dual Stage	Unit
Pass Band	Signal Wavelength Range	1530 - 1580		nm
	Max. Insertion Loss	0.8	1.0	dB
	Forward: Pass→Common			
	Backward: Common→Pass			
	Typ. Peak of Signal Isolation	40	55	dB
Reflection Band	Min. Signal Isolation (1550 ± 10 nm for single stage, 1550 ± 30 nm for dual stage, at 23 °C)	30	45	dB
	Forward: Common→Pass			
	Backward: Pass→Common			
	Wavelength Range	1270 - 1350 or 1450 - 1490 or 950 - 1010		nm
	Max. Insertion Loss @ Reflect→Common	0.6		dB
Min. Extinction Ratio @ 23 °C	Typ. Insertion Loss @ Reflect→Common	0.4		dB
	Min. Return Loss	20		dB
	Max. Optical Power (Continuous Wave)	50		dB
	Max. Tensile Load	300		mW
	Operating Temperature	5		N
Storage Temperature		-5 to +70		°C
		-40 to +85		°C

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

B. Package Dimensions



C. Ordering Information

DL-PMIWDM-SS-T-U-V-W-X-Y-Z

SS: Wavelength

1- 1310 nm

2- 1480 nm

3- 1980 nm

U: Stage Type

1 - Single stage

2 - Dual stage

W: Fiber Type

B - 250 μm Panda fiber

L - 900 μm loose tube

S - Specify

Y: Fiber Length

Q - 0.75 m

S - Specify

T: Pump Type

1 - Forward pump

2 - Backward pump

V: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

X: Fiber Type for Reflect Port

M - SMF-28 fiber

H - HI 1060 fiber

P - Panda fiber

Z: Working Axis

F - Fast axis blocked

B - Both axes working