

## Polarization Maintaining Dense Wavelength Division Multiplexer (DL-PMDWDM-V-WW-X-Y-Z)

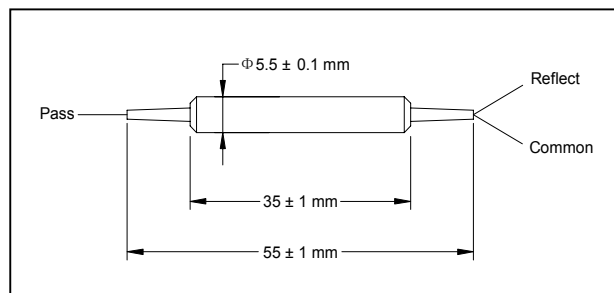
The PMDWDM series can be used to preserve the polarization of optical signals. This component is manufactured using environmentally stable thin film filter and high-end packaging technology and able to provide wide passband, low insertion loss, high channel isolation, excellent environmental stability and high extinction ratio. It can be used individually to perform single channel add or drop function or can be used in DWDM systems and fiber sensor systems, etc.

### A. Specifications

Parameter	Value		Unit
	200 GHz	100 GHz	
Filter Type	ITU Grid		
Pass Band			nm
Center Wavelength			nm
Min. Bandwidth @ 0.5 dB	0.5	0.2	nm
Max. Insertion Loss @ Common → Pass	1.0	1.2	dB
Min. Channel Isolation @ Common → Pass	25	25	dB
Reflection Band			dB
Max. Insertion Loss @ Common → Reflect	0.5	0.5	dB
Min. Channel Isolation @ Common → Reflect	12	12	dB
Min. Extinction Ratio @ 23 °C	20	20	dB
Directivity	50	50	dB
Min. Return Loss	50	50	dB
Center Wavelength Stability	0.002		nm/°C
Thermal Stability	0.005		dB/°C
Max. Optical Power	300		mW
Operating Temperature	-5 to +70		°C
Storage Temperature	-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-PMDWDM-V-WW-X-Y-Z

V: Channel Spacing	X: Connector Type	Y: Fiber Type (PM)	Z: Fiber Length
1 - 100 GHz	1 - FC/UPC	B - 250 $\mu$ m Panda fiber	Q - 0.75 m
2 - 200 GHz	2 - FC/APC	D - 400 $\mu$ m Panda fiber	S - Specify
	3 - SC/UPC	L - 900 $\mu$ m loose tube	
WW: ITU Grid	4 - SC/APC	S - Specify	
	N - None		