



PM Dense Wavelength Division Multiplexer (PMDWDM)

Product Features

- Good channel-to-channel uniformity
- Low Insertion Loss
- Wide Operating Wavelength: From 1460nm to 1620nm

Product Applications

- Communication Systems
- DWDM System
- Fiber Sensors
- Research

Specifications

Type Parameter	100Ghz	
Center wavelength CWL (nm)	1529.55~1561.42 (ITU 20~ 60)	
Bandwidth @0.5dB (nm)	≥0.2	
Pass Band	Insertion loss (dB)	≤0.8
	Isolation (dB)	≥25
Reflection Band	Insertion loss (dB)	≤0.6
	Isolation(dB)	≥12
Extinction Ratio @ 23°C(dB)	≥20	
Direcitivity (dB)	≥50	
Return Loss (dB)	≥50	
Center Wavelength Stability (nm/°C)	≤0.002	
Thermal Stability (dB/°C)	≤0.005	
Power handling (mW)	≤800	
Pulse Power (W)	30	
Operating temperature (°C)	-5 ~ +70	
Storage temperature (°C)	-40 ~ +85	
Fiber Type	PM Panda fiber	
Dimensions (mm)	φ5.5×L35	

* Above specifications are for devices without connectors

* For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower

* The PM fiber and the connector key are aligned to the slow axis



Ordering Information							
PMDW DM	Channe Type	Spacing	ITU Channel	Pigtail Type	Fiber Type	Length	Connector
	1ch	100Ghz 200Ghz	21ch 22ch 60ch	250um bare fiber 900um loose tube	Panda fiber	0.8m Specify	None FC/APC Other