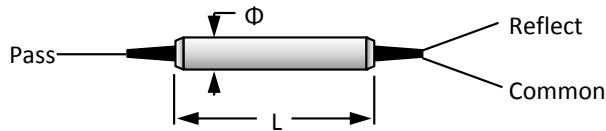


PM Dense Wavelength Division Multiplexer (PM DWDM) 100G

The 200G Polarization Maintaining Dense Wavelength Division Multiplexer (PM DWDM) is based on thin-film filter technology compliant to ITU standard. It provides single channel add or drop function, or it can be cascaded into sequence for multi-channel applications in DWDM systems. 100GHz and 200GHz channel



Features

- ITU Standard
- Low IL & High ER
- High Channel Isolation
- Telcordia Compliant Test

Applications

- Broadband Optical System
- DWDM System
- Optical Communications
- Fiber Sensor

Performance Specification

Parameter	Value	Unit
Channel Spacing	200	GHz
Center Wavelength	ITU Grid	nm
Min. Channel Passband (@-0.5dB)	0.5 (±0.25)	nm
Max. Insertion Loss (Common to Pass)	1.0	dB
Max. Insertion Loss (Common to Reflect)	0.5	dB
Min. Channel Isolation (Common to Pass)	25	dB
Min. Channel Isolation (Common to Reflect)	12	dB
Typ. Extinction Ratio	22	dB
Min. Extinction Ratio	20	dB
Min. Directivity	50	dB
Max. Thermal Stability	0.005	dB/°C
Center Wavelength Stability	0.002	nm/°C
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	300 (higher power available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	PM Panda Fiber	
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimension	Φ5.5×L35	mm

Note

* 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

PMDWDM-AAA-BB-C-DD-EE

AAA	BB	C	DD	EE
Channel Spacing	Center Wavelength (ITU Grid)	Fiber Jacket	Fiber Length	Connector
100 - 100GHz	01 - CH01	B - 250um Bare	05 - 0.5m	NE - None
200 - 200GHz	02 - CH02	Fiber	08 - 0.8m	FA - FC/APC
...	...	L - 900um Loose	10 - 1.0m	FP - FC/PC
	60 - CH60	Tube	15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify