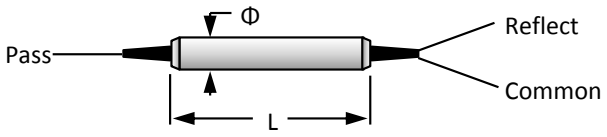
PM Dense Wavelength Division Multiplexer (PM DWDM) 100G

The 100G Polarization Maintaining Dense Wavelength Division Mulitplexer (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	100	GHz
Center Wavelength	ITU Grid	nm
Min. Channel Passband (@-0.5dB)	0.22 (±0.11)	nm
Max. Insertion Loss (Common to Pass)	0.8	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/℃
Center Wavelength Stability	0.002	nm/℃
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	℃
Storage Temperature	-40 to +85	℃
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 200 - 200GHz	01 - CH01 02 - CH02 ... 60 - CH60	B - 250um Bare Fiber L - 900um Loose Tube	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None FA - FC/APC FP - FC/PC SA - SC/APC SP - SC/PC LA- LC/APC LP - LC/PC SS - Specify

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