Fiber Optics

LIGHTEL

LASER COMPONENTS

DWDM

Polarization Maintaining DWDM Add/Drop

Specifications

Parameter		100 GHz	200 GHz
Center Wavelength (λc)		ITU Grid	
Channel Pass Band		λc ± 0.11 nm	λc ± 0.25 nm
Insertion Loss (Express Channel)		≤ 0.5 dB	
Insertion Loss (Add/Drop Channel)		≤ 1.5 dB	≤ 0.8 dB
Pass Band Ripple		≤ 0.5 dB	
Polarization Extinction Ratio (Common to Add/Drop)		≥ 17 dB	
Polarization Extinction Ratio (Common to Express)		≥ 17 dB	
Adjacent Channel Isolation		≥ 25 dB	
Non-Adjacent Channel Isolation		≥ 40 dB	
Directivity		≥ 50 dB	
Return Loss		≥ 45 dB	
Maximum Power Handling		300 mW	
Operating Temperature		0° C ~ + 65° C	
Storage Temperature		- 40° C ~ + 85° C	
Package Dimensions	Light Duty (B)	5.5 mm (Φ) x 35 mm (L)	
	Medium Duty (L)	5.5 mm (Φ) x 40 mm (L)	

Note1: All values specified are without connectors.
Note2: Higher performance specifications available upon request.
Note3: Fiber type – PM Panda 250 µm fiber.

Ordering Information

P M A D – ___ – ___ – ___ – ___ – ___

Channel Spacing
1: 100 GHz
2: 200 GHz

1st ITU Channel #
e.g. 23: 1558.98 nm

Fiber Length
A: 1 meter
B: 1.5 meter
S: Special

Pigtail Style
(=Package style)
B: bare fiber
L: 900 µm loose tube

Connector
0: None
1: FC/PC
2: FC/APC
3: SC/ PC
4: SC/APC
5: FC/SPC
6: SC/SPC
7: LC/UPC
8: LC/SPC
9: Special
A: FC/UPC
B: SC/UPC
C: ST

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