Dense Wavelength Division Multiplexer (DWDM Series)

Rev 11B

Description

The Dense Wavelength Division Multiplexer series is designed and manufactured based on Telcordia standard and ITU standard.The devices use environmentally stable thin film filter and advanced packaging technology to achieve wide passband, low insertion loss, high channel isolation and excellent environmental stability. They can be used to perform single channel add or drop function or can be cascaded into sequence for multi-channel applications in DWDM systems.

Key Features

- Low Insertion Loss
- High Channel Isolation

Applications

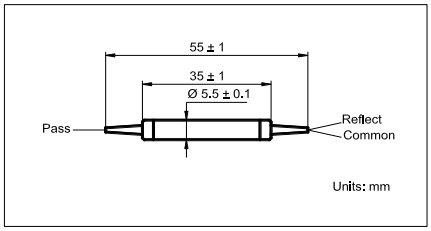
- Denser Channel Plans

Specifications

Parameter		Unit	Value	
Filter Type		-	100 GHz	200 GHz
Pass Band	Center Wavelength	nm	ITU Grid	
	Min. Bandwidth @ 0.5 dB	nm	0.22	0.5
	Max. Insertion Loss	dB	1.0	0.8
	Min. Channel Isolation	dB	25	
Reflection Band	Max. Insertion Loss	dB	0.4	
	Min. Channel Isolation	dB	12	
Max. Polarization Dependent Loss		dB	0.1	
Min. Directivity		dB	45	
Min. Return Loss		dB	50	
Center Wavelength Stability		nm/℃	0.002	
Thermal Stability		dB/℃	0.005	
Max. Optical Power		mW	300	
Max. Tensile Load		N	5	
Fiber Type		-	SMF-28 Fiber	
Operating Temperature		℃	- 5 to + 70	
Storage Temperature		℃	- 40 to + 85	

[1]IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

DWDM-①-②②-③-④-⑤

①: Channel Spacing	②②: ITU Grid	③: Connector Type	④: Fiber Type	⑤: Fiber Length
1 - 100 GHz		1 - FC/UPC	B - 250 μm Bare Fiber	1 - 1.0 m
2 - 200 GHz		2 - FC/APC	L - 900 μm Loose Tube	S - Specify
		3 - SC/UPC	S - Specify	
		4 - SC/APC		
		N - None		
		S - Specify		