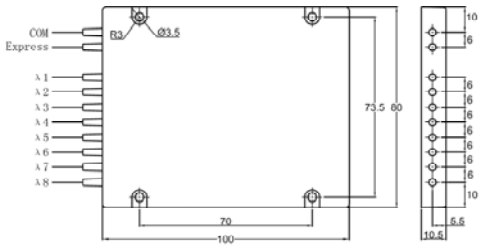
100GHz 4-Channel Dense Wavelength Division Multiplexer

100GHz dense wavelength division multiplexer (DWDM) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging to achieve optical add and drop at the ITU wavelengths. It provides ITU channel center wavelength, low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path. It can be used for wavelength add/drop in telecommunication network system.
The products are Telcordia qualified, and RoHS compliant.



Features

- 100GHz ITU channel spacing
- Low insertion loss
- Wide pass band
- High channel isolation
- High stability and reliability

Applications

- Channel add / drop
- DWDM network
- Wavelength routing
- Fiber optical amplifier
- CATV Fiber Optic System

Performance Specifications

Parameter		MUX	DEMUX
Channel Wavelength (nm)		ITU 100 GHz Grid	
Center Wavelength Accuracy (nm)		± 0.1	
Channel Spacing (GHz)		100 (0.8nm)	
Channel Passband (@-0.5dB bandwidth) Min.(nm)		0.22	
Insertion Loss (dB)		< 2.5	
Channel Uniformity (dB)		< 1.5	
Channel Ripple (dB)		< 0.3	
Isolation @Add/ Drop Channel (dB),	Adjacent	N/A	>30
	Non-adjacent	N/A	>40
Insertion Loss Temperature Sensitivity (dB/°C)		<0.005	
Wavelength Temperature Shifting (nm/ °C)		<0.002	
Polarization Dependent Loss (dB)		<0.2	
Polarization Mode Dispersion (ps)		<0.2	
Directivity (dB)		>50	
Return Loss (dB)		>45	
Maximum Power Handling (mW)		500	
Operating Temperature (°C)		0 ~+65	
Storage Temperature (°C)		-40 ~+85	
Package Dimension (mm)		L100 x W80 x H10.5	

**Specifications may change without notice.

Order information

DWDM-10-①-②-③③-④④-⑤⑤-⑥⑥

10	①	②	③③	④④	⑤⑤	⑥⑥
Channel Spacing	Channel	Configura-tion	1st Channel	Fiber Di-ameter	Fiber Length	Connector
10:100GHz	4:4 Channel	M:Mux D:DeMux	21:1560.61nm 22:1559.79nm 23:1558.98nm	25:250um 90:900um XX: Others	05:0.5m 10:1.0m 15:1.5m XX:Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC ST: ST/PC LP: LC/PC LA: LC/APC XX: Others