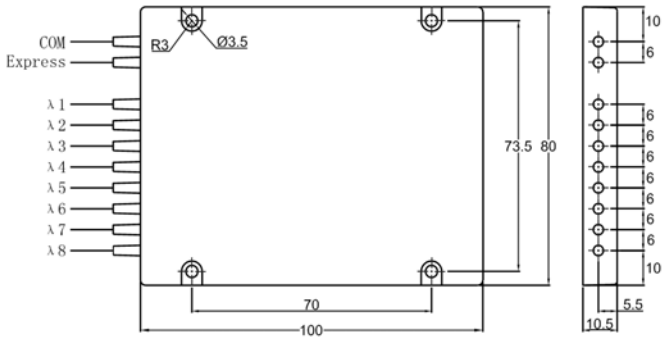
200GHz 4-Channel Dense Wavelength Division Multiplexer

200GHz 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

- 200GHz 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 200 GHz Grid	
Center Wavelength Accuracy (nm)		± 0.1	
Minimum Channel Spacing (GHz)		200	
Channel Passband (@-0.5dB bandwidth) (nm)		0.5	
Insertion Loss (dB)		< 2.5	
Channel Uniformity (dB)		< 1.5	
Channel Ripple (dB)		< 0.5	
Isolation @Add/ Drop (dB),	Adjacent Channel	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)		<0.1	
Polarization Mode Dispersion (ps)		<0.1	
Directivity (dB)		>55	
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-20-①-②-③③-④④-⑤⑤-⑥⑥

20	①	②	③③	④④	⑤⑤	⑥⑥
Channel Spacing	Channel	Configura-tion	1st Chan-nel	Fiber Di-ameter	Fiber Length	Connector
20:200GHz	4:4 Channel	M:Mux D:DeMux	21:1560.61nm 22:1559.79nm 23:1558.98nm	25:250um 90:900um XX: Oth-ers	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