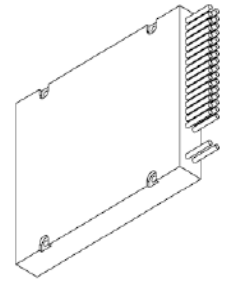
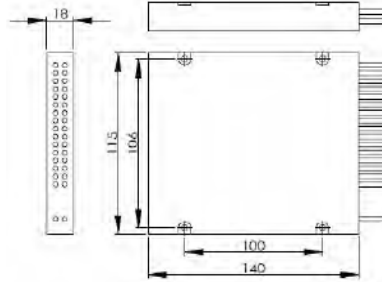




### 100GHz 16-Channel Dense Wavelength Division Multiplexer

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	
Minimum Channel Spacing (GHz)		100	
Channel Passband (@-0.5dB bandwidth) (nm)		0.22	
Insertion Loss (dB)		< 6.0	
Insertion Loss Mux/Demux A Pair(dB)		<7.5	
Channel Ripple (dB)		< 0.3	
Isolation @Add/Drop Channel (dB),	Adjacent	N/A	> 25
	Non-adjacent	N/A	> 35
Insertion Loss Temperature Sensitivity (dB/°C )		<0.005	
Wavelength Temperature Shifting (nm/ °C )		<0.002	
Polarization Dependent Loss (dB)		<0.15	
Polarization Mode Dispersion (ps)		<0.1	
Directivity (dB)		>50	
Return Loss (dB)		>45	
Maximum Power Handling (mW)		300	
Operating Temperature (°C)		0 ~+65	
Storage Temperature (°C)		-40 ~+85	
Dimension (mm)		L140 x W115 x H18	

\*\*Specifications may change without notice.

#### Order information

DWDM-10-①①-②-③③-④④-⑤⑤-⑥⑥



10	①	②	③③	④④	⑤⑤	⑥⑥
Channel Spacing	Channel	Configuration	1st Channel	Fiber Diameter	Fiber Length	Connector
10:100GHz	16:16 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