



## 100GHz Optical Add/Drop Multiplexer (1x2)

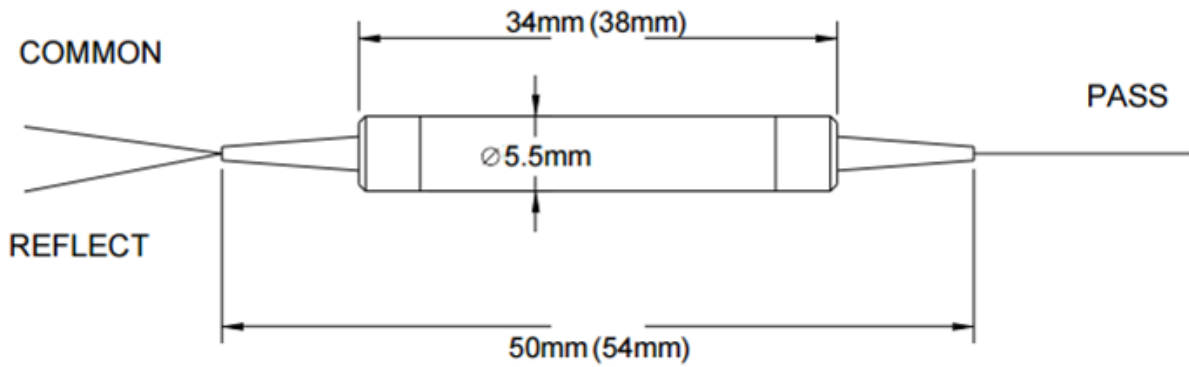
Features	Applications
<ul style="list-style-type: none"> <li>● 100GHz ITU Channel Spacing</li> <li>● Low Insertion Loss</li> <li>● Wide Pass Band</li> <li>● High Channel Isolation</li> <li>● High Stability and Reliability</li> <li>● Epoxy Free Optical Path</li> </ul>	<ul style="list-style-type: none"> <li>● Channel Add / Drop</li> <li>● DWDM Network</li> <li>● Wavelength Routing</li> <li>● Fiber Optical Amplifier</li> <li>● CATV Fiberoptic System</li> </ul>

### Performance Specifications:

Parameter	Unit	Spec	
		Mux (Add)	Demux (Drop)
Channel Wavelength	nm	1530.33 to 1561.42 (20~ 59 ITU grid)	
Center Wavelength Accuracy	nm	± 0.05nm	
Minimum Channel Spacing	GHz	100GHz	
Channel Passband (@-0.5dB bandwidth)	nm	≥ 0.25nm	
Insertion Loss	Add / Drop Ch.	≤ 0.65dB (typ.)	
	Express Ch.	≤ 0.35dB (typ.)	
Channel Ripple	dB	≤ 0.3dB	
Isolation @Add/Drop Channel	Adjacent	N/A	≥ 30dB
	Non-adjacent	N/A	≥ 40dB
Express Channel Isolation	dB	≥ 15dB	
Insertion Loss Temperature Sensitivity	dB/°C	≤ 0.005dB/°C	
Wavelength Temperature Shifting	nm/°C	≤ 0.002nm/°C	
Polarization Dependent Loss	dB	≤ 0.10dB	
Polarization Mode Dispersion	ps	≤ 0.10ps	
Directivity	dB	≥ 50dB	N/A
Return Loss	dB	≥ 50dB	
Optical Power	mW	300Mw	
Operating Temperature	°C	-40 to +85°C	
Storage Temperature	°C	-40 to +85°C	
Package Dimensions	mm	Ø5.5 x L34mm (SS tube package)	

Note: All values referenced are without connectors.

### Mechanical Dimensions:



### Ordering Information:

S-DWDM	Grade	Channel Spacing	Number of Channel	ITU Channel	Pigtail Style	Fiber Length	Connector
	□	□	□□	□	□	□	□□
	S=S grade	1=100GHz	01=1 Channel	C20=1561.42nm C21=1560.61nm C22=1559.79nm . . .	1=Bare Fiber	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/PC 7=LC/APC

For Example: S-DWDM-S-1-01-C21-1-1-00