



100 GHz Optical Add/Drop Multiplexer (1x2)

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

Performance Specifications:

Parameter	Unit	Spec	
Channel Wavelength	nm	1530.33 to 1560.61 (21~ 59 ITU grid)	
Minimum Channel Spacing	GHz	100GHz	
Center Wavelength Accuracy	nm	± 0.05nm	
Channel Passband	nm	$\lambda_c + 0.18$ (minimum)	
Insertion Loss	Add / Drop Ch.	dB	≤ 0.80
	Express Ch.	dB	≤ 0.40
Channel Ripple	dB	≤ 0.25	
Isolation @Add/Drop Channel	Adjacent	dB	≥ 30
	Non-adjacent	dB	≥ 45
Express Channel Isolation	dB	≥ 13	
Insertion Loss Temperature Sensitivity	dB/°C	≤ 0.005	
Wavelength Temperature Shifting	nm/°C	≤ 0.002	
Polarization Dependent Loss	dB	≤ 0.10	
Polarization Mode Dispersion	ps	≤ 0.10	
Directivity	dB	≥ 50	
Return Loss	dB	≥ 45	
Optical Power	mW	300mW	
Operating Temperature	°C	-40 to +85°C	
Storage Temperature	°C	-40 to +85°C	
Package Dimensions	mm	Ø3.2 x L26mm (Glass tube package)	

Note: All values referenced are without connectors.



Ordering Information:

S-DWDM	Channel Spacing	Number of Channel	ITU Channel	Pigtail Style	Fiber Length	Connector
	□	□□	□	□	□	□□
	1= 100GHz	01= 1 Channel	C21= 1560.61nm C23= 1558.98nm	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-1-01-C21-1-1-00