

# 100GHz Optical Polarizer

## Features

- 100GHz ITU channel spacing
- Low insertion loss
- Wide pass band
- High channel isolation
- High stability and reliability
- Epoxy free on optical path

## Applications

- Channel add / drop
- DWDM network
- Wavelength routing
- Fiber optical amplifier
- CATV fiberoptic system



## Performance Specifications

Parameter	Value	
Channel Wavelength (nm)	1530.33 ~ 1560.61 (21~ 59 ITU grid)	
Center Wavelength Accuracy (nm)	± 0.1	
Minimum Channel Spacing (GHz)	100	
Channel Passband (@-0.5dB bandwidth) (nm)	0.22	
Insertion Loss (dB),	Add / Drop Ch.	≤ 1.7
	Express Ch.	≤ 0.8
Add / Drop Channel Ripple (dB)	< 0.3	
Isolation @Add/Drop Channel (dB)	Adjacent	> 25
	Non-adjacent	> 35
Polarization (degree) (input & Add/Drop Ch)	90	
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	
Package Dimension (mm)	φ 5.5 x L38	

Specifications may change without notice



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### Ordering Information

PDWDM						
Channel Spacing	Configuration	1 <sup>st</sup> ITU Channel	Fiber Type	Fiber Length	Connector	
1=100GHz	A=Add D=Drop	21=1560.61nm 23=1558.98nm . . .	1=Bare Fiber 2=900um Fiber	1=1 Meter 2=2 Meter	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC	