

# 100G 4S1 DWDM Dual Band Pass Filter

## Features

- High Demux Channel Isolation
- Low Polarization Dependent Loss
- Flat and Wide Passband
- High Reliability

## Applications

- DWDM System
- Metro DWDM System
- High Speed Feed
- Quantum Bit



## Specifications

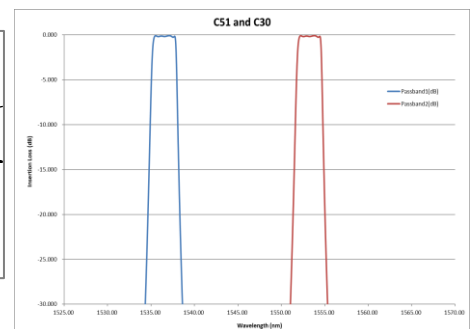
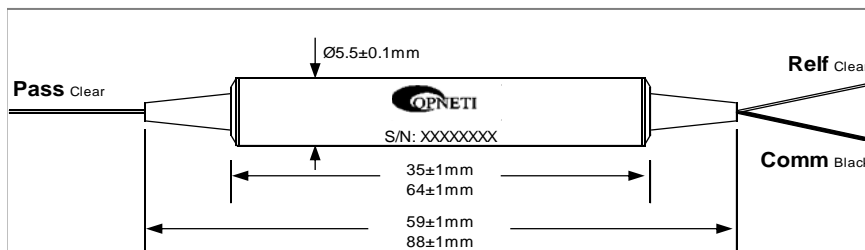
Parameters	Unit	Values	
Channel Wavelength <sup>[1]</sup>	nm	1530.33~1560.61 (21~59 ITU Grid)	
Center Wavelength Accuracy	nm	± 0.02	
Channel Spacing	GHz	100	
Channel 1 Passband (@-0.8dB bandwidth)	nm	≥2.8	
Channel 2 Passband (@-0.8dB bandwidth)	nm	≥2.8	
Insertion Loss (Pass Channel)	dB	≤1.1	
Insertion Loss (Reflect Channel)	dB	≤0.6	
Channel Ripple	dB	≤0.5	
Isolation	Adjacent	dB	15
	Non-adjacent	dB	20
Express Channel Isolation	dB	≥12	
PDL	dB	≤0.15	
PMD	ps	≤0.10	
Center Wavelength Temp Sensitivity	pm/°C	≤1.0	
Directivity	dB	≥50	
Return Loss	dB	≥50	
Fiber Type		ZBL	
Port Configuration		1x2 or 1x1	
Power Handling <sup>[2]</sup>	mW	≤500	
Operating Temperature	°C	-5 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Dimensions	mm	Ø5.5x34mm	

<sup>[1]</sup> L Band available on request

<sup>[2]</sup> 1x2, with Common/Reflection/Pass port

1x1, with Common/Pass port, without Reflection Port

## Package Dimensions



**Ordering Information**

DWDM-D-4S1- ①①①-②-③③-④④-⑤⑤⑤-⑥-⑦-⑧⑧

①	Port	1x2; 1x1;
②	Channel Space	1=100GHz;
③	Pass Channel 1	21=21ch; 21*=21*ch; 22=22ch; 22*=22*ch; .....; 59*=59*ch;
④	Pass Channel 2	21=21ch; 21*=21*ch; 22=22ch; 22*=22*ch; .....; 59*=59*ch;
⑤	Pigtail Type	250=250um Fiber; 900=900um Loose Tube; 3mm=3mm Loose Tube;
⑥	Fiber Type	Z=ZBL;
⑦	Fiber Length	1=1m;
⑧	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;