

25/50GHz DWDM 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

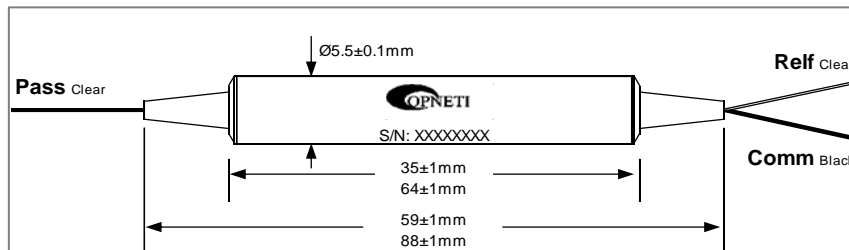
Parameters	Unit	Values	
Channel Wavelength ^[1]	nm	1530.33~1560.61 (21~59 ITU Grid)	
Center Wavelength Accuracy	nm	± 0.02	
Channel Spacing	GHz	50	25
Channel Passband (@-0.8dB bandwidth)	nm	≥0.20	≥0.10
Insertion Loss (Pass Channel)	dB	≤1.4	≤1.5
Insertion Loss (Reflect Channel)	dB	≤0.6	≤0.6
Channel Ripple	dB	≤0.5	≤0.3
Isolation	Adjacent	dB	20
	Non-adjacent	dB	25
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	≥45	
Port Configuration		1x2 or 1x1	1x1
Power Handling ^[2]	mW	≤500	
Operating Temperature	°C	-5 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Dimensions ^[3]	mm	Ø5.5x35mm, Ø5.5x64mm	Ø5.5x64mm

^[1] L Band available on request

^[2] 1x2, with Common/Reflection/Pass port
 1x1, with Common/Pass port, without Reflection Port
 1x2 port configuration available for 25G on request

^[3] Package size Ø5.5x35mm available for 25G on request

Package Dimensions



Ordering Information

DWDM- ①①①-②②②-③-④④-⑤⑤⑤-⑥-⑦-⑧⑧

Ordering Code	Parameter	Value
①	Port	1x2; 1x1;
②	Channel Space	0.5=50GHz; 0.25=25GHz;
③	Channel Type	1=1ch;
④	ITU Channel	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	1=SMF-28e;
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;