

Bandsplitters 100G Channel Spacing

Features

- Low Insertion Loss
- High Isolation
- High Stability and Reliability

Applications

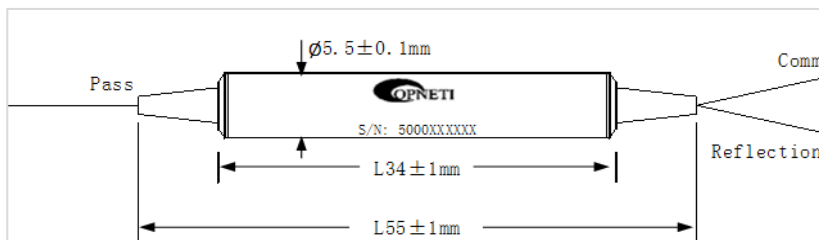
- Long Haul Networks
- Metro/Access
- DWDM system

Specifications

Parameters	Unit	4 Skip 0	4 Skip 1	5 Skip 1	8 Skip 2	10 Skip 3	20 Skip 4
Pass Band Wavelength Range	GHz	±162.5	±165	±213	±387.5	±487.5	±987.5
Pass Band Wavelength Range	nm	2.56	2.60	3.35	6.09	7.66	14.48
Passband ripple	dB	≤0.3	≤0.2	≤0.2	≤0.25	≤0.35	≤0.2
Pass Band Insertion Loss	dB	≤1.2	≤0.9	≤0.8	≤0.8	≤1.0	≤1.0
Reflection Band Insertion Loss	dB	≤0.6	≤0.5	≤0.4	≤0.4	≤0.5	≤0.6
Isolation (adjacent band)	dB	≥25	≥25	≥25	≥20	≥37	≥25
Isolation (reflection)	dB	≥12	≥15	≥15	≥15	≥12	≥15
Directivity	dB	≥50	≥50	≥50	≥50	≥50	≥50
Return Loss	dB	≥45	≥45	≥45	≥45	≥45	≥45
PDL	dB	≤0.2	≤0.1	≤0.1	≤0.1	≤0.15	≤0.15
PMD	ps	≤0.7	≤0.1	≤0.1	≤0.1	≤0.2	≤0.15
Chromatic dispersion (Tx)	ps/nm	±50	±10	±5	±5	±20	±3
Chromatic dispersion (Rx)	ps/nm	±30	±10	±5	±5	±20	±2
Operating Temperature	°C	-5 ~ +75					
Storage Temperature	°C	-40 ~ +85					
Fiber Type	---	SMF-28e					
Dimensions	mm	φ5.5×L34					

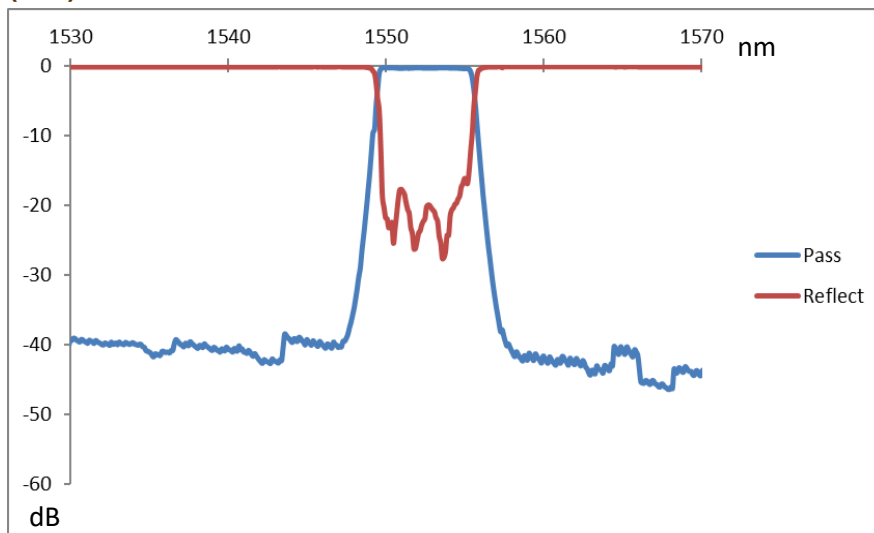
*With connectors, IL+0.3dB, RL-5dB;

Package Dimensions



no reflection port for 1x1 package

Sample Spectrum (8S2)



Ordering Information

BPF ①①①-②②②-③③③③-③③③-④-⑤-⑥⑥-⑦⑦⑦⑦⑦⑦

①	Port Type	1x1; 1x2;
②	Passed/Skipped	4S0; 4S1; 5S1; 8S2; 10S3; 20S4;
③	Wavelength	XXXX=Specified By Customer;
③	Pigtail Type	250=250μm Bare Fiber; 900=900μm Loose Tube;
④	Fiber Type	1=SMF-28e;
⑤	Fiber Length	1=1m;
⑥	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;
⑦	Package	5.5x34;