

1000nm Polarization Maintaining Bandpass Filter

Model #: PBPF

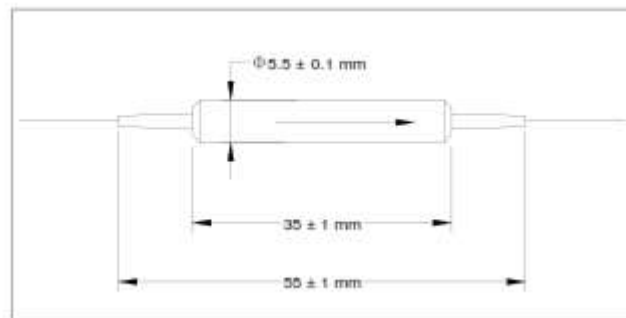
Description: 1000nm Polarization Maintaining Bandpass Filter

Application: Fiber amplifier, fiber laser, fiber sensor, WDM module and systems

Specifications:

Parameter	Unit	Specifications*
Central Wavelength (λ_c)	nm	Refer to order info
Central Wavelength Tolerance	nm	± 0.5
Filter Pass Band @ - 0.5 dB Bandwidth	nm	2, 5, 8 or specify
Max. Insertion Loss over Pass Band	B-Type Filter	0.8
	F-Type Filter	1.0
Wavelength Suppression	dB	25
Min. Polarization Extinction Ratio	dB	20
Min. Return Loss	dB	50
Max. Tensile Load	N	5
Max. Optical Power (CW)	W	0.3, 1, ..., 5
Max. Peak Power for ns Pulse	kW	10
Operating Temperature	$^{\circ}\text{C}$	-5 to +70
Storage Temperature	$^{\circ}\text{C}$	-40 to + 85

Note: each connector may contribute extra 0.5 dB IL, 5 dB lower RL, 2 dB lower PER. Keying to slow axis.
 Maximum optical power will be 1W only if connectors are added



Ordering Information: PBPF-AAAA-B-C-D-E-F-G-H_J

AAAA: wavelength	B: pass bandwidth	C: connector type	D: fiber jacket	E: fiber length
1018 – 1018 nm	2 – 2 nm	1 – FC/UPC	B - 250 μm Panda fiber	Q – 0.75 m
1030 – 1030 nm	5 – 5 nm	2 – FC/APC	L - 900 μm loss tube	X-other
1054 – 1054 nm	8 – 8 nm	3 – SC/UPC	X - other	
XXXX - other	X - other	4 – SC/APC		
		N – no connector		
		X - other		

F: fiber type	G: working axis	H: power type	J: output power
1 – PM980 fiber	B – both axes working	P – pulsed	0.3 – 0.3W
2 – Nuferr, PM1060L, 10/125, NA0.085	F – fast axis blocking	C - continuous	1 – 1.0W
3 - Nuferr, PM1060L FA, 10/125 DC fiber, NA0.085			5 – 5.0 W
4 - Nuferr PLMA-GDF-10/125-M, NA0.075			X - other
X - other			

List:

Center Wavelength(nm)	Pass Bandwidth@0.5dB(nm)	Wavelength Suppression@25dB(nm)
1018	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1029.2	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1030	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1031	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1032	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1033	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1034	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1035	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1036	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1037	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1038	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1039	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1040	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1041	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1042	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1045	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1048	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1050	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1051	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1052	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1053	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1054	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1055	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1058.5	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1060	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1064	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1070	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1071.5	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1074	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1080.5	2	1000 ~ CWL-5 & CWL+5 ~ 1100
1084	2	1050 ~ CWL-5 & CWL+5 ~ 1150
1094	2	1050 ~ CWL-5 & CWL+5 ~ 1150
1099	2	1050 ~ CWL-5 & CWL+5 ~ 1150
1100	2	1050 ~ CWL-5 & CWL+5 ~ 1150
1120	2	1050 ~ CWL-5 & CWL+5 ~ 1150
1150	2	1100 ~ CWL-5 & CWL+5 ~ 1200
1178	2	1100 ~ CWL-5 & CWL+5 ~ 1200
1064	3	1000 ~ CWL-5 & CWL+5 ~ 1100
1053	3	1000 ~ CWL-6 & CWL+6 ~ 1100
1070	3	1000 ~ CWL-8 & CWL+8 ~ 1100
1053	4	1000 ~ CWL-6 & CWL+6 ~ 1100
1018.5	5	1000 ~ CWL-7 & CWL+7 ~ 1100
1030	5	1000 ~ CWL-7 & CWL+7 ~ 1100
1035	5	1000 ~ CWL-6 & CWL+6 ~ 1100
1040	5	1000 ~ CWL-6 & CWL+6 ~ 1100
1050	5	1000 ~ CWL-7 & CWL+7 ~ 1100
1055	5	1000 ~ CWL-7 & CWL+7 ~ 1100
1059	5	1000 ~ CWL-7 & CWL+7 ~ 1100

1064	5	1000 ~ CWL-11 & CWL+11 ~ 1100
1068	5	1000 ~ CWL-7 & CWL+7 ~ 1100
1072	5	1000 ~ CWL-7 & CWL+7 ~ 1100
1074.3	5	1000 ~ CWL-11 & CWL+11 ~ 1100
1080	5	1050 ~ CWL-11 & CWL+11 ~ 1150
1088	5	1050 ~ CWL-6 & CWL+6 ~ 1150
1092	5	1050 ~ CWL-6 & CWL+6 ~ 1150
1095	5	1050 ~ CWL-6 & CWL+6 ~ 1150
1035	6	1000 ~ CWL-8 & CWL+8 ~ 1100
1110	6	1050 ~ CWL-8 & CWL+8 ~ 1150
1018	8	1000 ~ CWL-10 & CWL+10 ~ 1100
1030	8	1000 ~ CWL-11 & CWL+11 ~ 1100
1040	8	1000 ~ CWL-11 & CWL+11 ~ 1100
1051	8	1000 ~ CWL-12 & CWL+12 ~ 1100
1053	8	1000 ~ CWL-11 & CWL+11 ~ 1100
1055	8	1000 ~ CWL-10 & CWL+10 ~ 1100
1059	8	1000 ~ CWL-10 & CWL+10 ~ 1100
1060	8	1000 ~ CWL-10 & CWL+10 ~ 1100
1064	8	1000 ~ CWL-10 & CWL+10 ~ 1100
1078	8	1000 ~ CWL-12 & CWL+12 ~ 1100
1090	8	1050 ~ CWL-7 & CWL+7 ~ 1150
1092	8	1050 ~ CWL-10 & CWL+10 ~ 1150
1096	8	1050 ~ CWL-10 & CWL+10 ~ 1150
1000	10	950 ~ CWL-11 & CWL+11 ~ 1050
1030	10	1000 ~ CWL-12 & CWL+12 ~ 1100
1050	10	1000 ~ CWL-11 & CWL+11 ~ 1100
1053	10	1000 ~ CWL-12 & CWL+12 ~ 1100
1071.5	10	1000 ~ CWL-12 & CWL+12 ~ 1100
1100	10	1050 ~ CWL-11 & CWL+11 ~ 1150
1120	10	1050 ~ CWL-11 & CWL+11 ~ 1150
1156	10	1100 ~ CWL-11 & CWL+11 ~ 1200
1040	12	1000 ~ CWL-14 & CWL+14 ~ 1100
1061	14	1000 ~ CWL-20 & CWL+20 ~ 1100
1096	15	1050 ~ CWL-22 & CWL+22 ~ 1150
1035	16	1000 ~ CWL-22 & CWL+22 ~ 1100
1064	17	1000 ~ CWL-22 & CWL+22 ~ 1100
1030	20	960 ~ CWL-16 & CWL+16 ~ 1100
1040	18	1000 ~ CWL-18 & CWL+18 ~ 1100
1057.5	25	1000 ~ CWL-26 & CWL+26 ~ 1100