

Polarization Maintaining Filter Wavelength Division Multiplexer

Model #: PFWDM

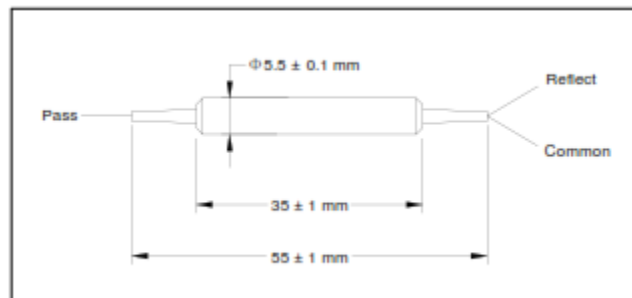
Description: Polarization Maintaining Filter Wavelength Division Multiplexer

Application: Fiber amplifier, fiber laser, fiber sensor, WDM module and systems, test and measurement equipment.

Specifications:

Parameter		Unit	Specifications				
Pass Band	Operating Wavelength Range	nm	1270-1350 (1530-1600)	1450-1490 (1530-1580)	1500-1520 (1530-1570)	1530-1580	970-990
	Typ. Insertion Loss	dB	0.4	0.4	0.5	0.8	0.5
	Max. Insertion Loss	dB	0.6	0.6	0.7	1.0	0.7
	Typ. Isolation	dB	35	30	35	30	30
	Min. Isolation	dB	30	25	30	25	25
Reflection Band	Operating Wavelength Range	nm	1530-1600 (1270-1350)	1530-1580 (1450-1490)	1530-1570 (1500-1520)	960-1000	1020-1100
	Typ. Insertion Loss	dB	0.3	0.3	0.3	0.4	0.4
	Max. Insertion Loss	dB	0.5	0.5	0.5	0.6	0.6
	Typ. Isolation	dB	15				
	Min. Isolation	dB	12				
	Min. Polarization Extinction ratio	dB	20				
	Min. Return Loss	dB	50				
	Thermal Stability	dB/°C	0.005				
	Max. Optical Power (CW)	mW	300				
	Operating Temperature	°C	-5 to +70				
	Storage Temperature	°C	-40 to + 85				
	Dimension	mm	5.5 (D) x 35 (L)				
Fiber Type	Pass Port		PM 1550 Panda fiber				PM 980
	Reflection and Common Port		PM 1550 Panda fiber			PM980	

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL, 2 dB lower PE, keying to slow axis



Ordering Information: PFWDM-AAAA-B-C-D

AAAA: central wavelength	B: connector type	C: fiber jacket	D: fiber length
3155 – 1310 P. / 1550 R.	1 - FC/UPC	B - 250µm Panda fiber	Q – 0.75 m
5531 – 1550 P. / 1310 R.	2 - FC/APC	L - 900 µm loss tube	X - other
4855 - 1480 P. / 1550 R.	3 - SC/UPC	X - other	
5548 – 1550 P. / 1480 R.	4 - SC/APC		
5155 – 1510 P. / 1550 R.	N - none		
5551 – 1550 P. / 1510 R.	X - other		
5598 – 1550 P. / 980 R.			
9806 – 980 P. /1060 R.			