

Description:

Polarization Maintaining (PM) 100GHZ DWDM Filter

Features:

- High Isolation
- Low Insertion Loss
- Complies with RoHS
- Wide Band Pass

Applications:

- Fiber Sensing
- Coherent Optics
- Fiber Laser
- PM EDFA



Specifications:

Parameters		Unit	Specification
Center Wavelength		nm	CH10~CH63 (ITU Grid)
Channel Spacing		nm	0.8
Bandwidth @-0.5dB		nm	≥0.22
Pass Channel	Insertion Loss	dB	≤1.0
	Adjacent/Non-Adjacent Isolation		>30 / >40
	Ripple		≤0.5
Reflect Channel	Insertion Loss	dB	≤0.4
	Isolation		≥12
Return Loss/Directivity (Typical)		dB	≥45 / ≥45
Extinction Ratio (@23°C)		dB	≥18
Power Handling		mW	300
Operating Temperature		°C	-5~70
Fiber Type			PM Fiber

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower.

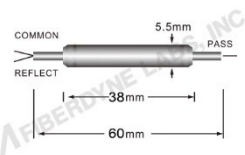
F	D	D	W	0	0	2	1	X	X	X	X	X	0	-	PM	-	XX
				5	6	7	8	9	10	11	12	13	14		15-16		17-18
Fiberdyne Labs, Inc. 100GHz PM DWDM Filter																	

5th Digit	Function	0 = 1 x 2
6th & 7th Digits	Channel	02 = 1 x 2
8th Digit	Channel Spacing	1 = 0.8nm
9th & 10th Digits	ITU Channel	XX = Channel # ie
	See ITU Grid for Channel nm (CH 10-CH 63)	21 = 21 CH# 22 = 22 CH# 31 = 31 CH# 41 = 41 CH# XX = Others
11th Digit	Packaging	1 = Steel Tube H = Heavy Duty
12th Digit	Fiber Type	1 = 250µm 9 = 900µm 2 = 2mm 3 = 3mm
13th Digit	Fiber Length	1 = 1 meter X = Custom
14th Digit	Connector Type	0 = None 1 = ST/UPC 6 = SC/UPC 7 = FC/UPC A = FC/APC B = SC/APC L = LC/UPC N = LC/APC X = Custom
15th & 16th Digits	Polarization Maintaining	PM= PM Fiber
17th & 18th Digits	Axis Alignment	00= No Connectors SA= Slow axis working and Fast axis blocked BA= Both axis working

Example: FDDW002134191A-PM-SA

This gives you Fiberdyne Labs 100GHz PM DWDM Filter, 1x2, Channel 34, 1 Meter 900um, FC/APC Connectors, Key Aligned to Slow Axis

Package Dimensions:



Fiberdyne Labs, Inc. Dense Wavelength Division Multiplexing (DWDM)						
ITU Grid: C-Band, 100 GHz Spacing						
Channel (#)	Frequency (GHz)	Wavelength (nm)		Channel (#)	Frequency (GHz)	Wavelength (nm)
1	190100	1577.03		37	193700	1547.72
2	190200	1576.20		38	193800	1546.92
3	190300	1575.37		39	193900	1546.12
4	190400	1574.54		40	194000	1545.32
5	190500	1573.71		41	194100	1544.53
6	190600	1572.89		42	194200	1543.73
7	190700	1572.06		43	194300	1542.94
8	190800	1571.24		44	194400	1542.14
9	190900	1570.42		45	194500	1541.35
10	191000	1569.59		46	194600	1540.56
11	191100	1568.77		47	194700	1539.77
12	191200	1567.95		48	194800	1538.98
13	191300	1567.13		49	194900	1538.19
14	191400	1566.31		50	195000	1537.40
15	191500	1565.50		51	195100	1536.61
16	191600	1564.68		52	195200	1535.82
17	191700	1563.86		53	195300	1535.04
18	191800	1563.05		54	195400	1534.25
19	191900	1562.23		55	195500	1533.47
20	192000	1561.41		56	195600	1532.68
21	192100	1560.61		57	195700	1531.90
22	192200	1559.79		58	195800	1531.12
23	192300	1558.98		59	195900	1530.33
24	192400	1558.17		60	196000	1529.55
25	192500	1557.36		61	196100	1528.77
26	192600	1556.55		62	196200	1527.99
27	192700	1555.75		63	196300	1527.22
28	192800	1554.94		64	196400	1526.44
29	192900	1554.13		65	196500	1525.66
30	193000	1553.33		66	196600	1524.89
31	193100	1552.52		67	196700	1524.11
32	193200	1551.72		68	196800	1523.34
33	193300	1550.92		69	196900	1522.56
34	193400	1550.12		70	197000	1521.79
35	193500	1549.32		71	197100	1521.02
36	193600	1548.51		72	197200	1520.25

Note: For 200GHz spacing use either odd or even numbered channels.