

## DWDM FILTER (100GHz SPACING) + FWDM

### FEATURES

- Allows single DWDM channel to pass through along with a single CWDM channel
- Low Insertion Loss
- High Isolation
- Low PDL
- High Reliability and Stability
- Compact package (5.5 x 34mm)
- Wide Operating Temperature: -5~75 °C

### COMPLIANCE

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS



### SPECIFICATIONS

PARAMETER		Center		SPECIFICATION	
Center Wavelength (nm)				ITU (100GHz)	ITU CWDM
Channel Space (nm)				0.8	20
Passband (nm)				±0.11	±10
IL (dB)				≤1.1	≤0.9
Isolation (dB)	Adjacent Channel			≥30	≥30
	Non-Adjacent Channel			≥45	≥45
Directivity (dB)				>50	
Ripple (dB)				<0.5	
PDL (dB)				<0.2	
PMD (ps)				<0.1	
RL (dB)				>45	
Maximum Optical Power (mw)				300	
Operating Temperature (°C)				-5~ 75	
Storage Temperature (°C)				-40~ 85	
Package (mm)				5.5 x 34	
Connectors				SC/APC	

\* Specifications subject to change without prior notice  
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## DENSE WAVE 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	1576.03	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	1568.11	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	1537.4
15	191500	1565.5	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	1561.42	56	195600	1532.68
21	192100	1560.61	57	195700	1531.9
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	1556.56	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	1548.52	72	197200	1520.25

## ORDERING MATRIX

# of CH		Module Type	ITU (100GHz) Channel	CWDM Channel	Fiber Type	Fiber Length	Optical Connector					
LB	-	DWDM	-	F	-	C XX	-	XX	-	XX	-	XX
		F= Filter		61=1610	L= 900µm	05= 0.5m	00= None					
				59=1590		10= 1.0m	SA= SC/APC					
				.		15= 1.5m	SU= SC/UPC					
				.			LA= LC/APC					
				.			LU= LC/UPC					
				29=1290								

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