

# 0603 DWDM 200 G

**W12XX-S**



## 200 GHz Spacing DWDM Filters (ITU Grid, 1.6 nm)

The DWDM is designed for long-haul transmission where wavelengths are packed tightly together. The 200 GHz spacing DWDM filters allow system designers optimal configuration flexibility. They featured with a low insertion loss, high channel isolation and excellent environmental stability and reliability. They can be used for channel add/drop, DWDM network, wavelength routing and fiber optical filter.

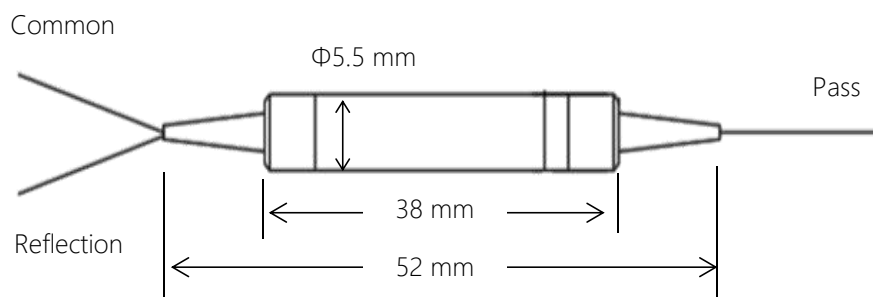
### FEATURES

- 1.6 nm Channel Spacing
- Wide Pass Band
- High Channel Isolation
- High Stability and Reliability
- Low Insertion Loss

### USE IN

- HFC Fiberoptic System
- Channel Add/Drop
- Wavelength Routing
- Fiber Optic Amplifier
- DWDM Network

### FUNCTIONAL DIAGRAM



### ORDERING OPTIONS

W12XX-S

XX: Channel Number  
01, 02,... 60

Example

01=W1201-S 1577.03 nm  
02=W1202-S 1576.20 nm  
...  
60=W1260-S 1529.55 nm

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**

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Channel Center Wavelength	ITU Grid 200 GHz 1.6 nm	
Operating Wavelength Range	1529.55(CH60) to 1577.03(CH01) nm	
Channel Passband (@-0.5 dB Bandwidth)	0.50 nm min.	
Pass Channel Insertion Loss	0.9 dB max.	
Reflection Channel Insertion Loss	0.4 dB max.	
Return Loss	45 dB min.	
Directivity	45 dB min.	
Wavelength Temperature Shifting	0.001 nm/°C max.	
Isolation Pass Channel	30 dB min.	
Isolation Reflect Channel	13 dB min.	
Insertion Loss Temperature Sensitivity	0.3 dB max.	
Polarization Mode Dispersion	0.1 ps max.	
Polarization Dependent Loss	0.1 dB min.	
Power Handling	300 mW max.	
Operating Temperature	-10°C to +70°C	
Storage Temperature	-40°C to +85°C	
Dimension	For 250 μm, 900 μm	5.5x5.5x38 mm
	For 2.0 mm, 3.0 mm	90x20x10 mm

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## Selection Guide (Channel 01-60)

ITU Grid	Channel	Frequency	Part No.
01	1577.03 nm	190.1 THz	W1201-S
02	1576.20 nm	190.2 THz	W1202-S
03	1575.37 nm	190.3 THz	W1203-S
04	1574.54 nm	190.4 THz	W1204-S
05	1573.71 nm	190.5 THz	W1205-S
06	1572.89 nm	190.6 THz	W1206-S
07	1572.06 nm	190.7 THz	W1207-S
08	1571.24 nm	190.8 THz	W1208-S
09	1570.42 nm	190.9 THz	W1209-S
10	1569.59 nm	191.0 THz	W1210-S
11	1568.77 nm	191.1 THz	W1211-S
12	1567.95 nm	191.2 THz	W1212-S
13	1567.13 nm	191.3 THz	W1213-S
14	1566.31 nm	191.4 THz	W1214-S
15	1565.50 nm	191.5 THz	W1215-S
16	1564.68 nm	191.6 THz	W1216-S
17	1563.86 nm	191.7 THz	W1217-S
18	1563.05 nm	191.8 THz	W1218-S
19	1562.23 nm	191.9 THz	W1219-S
20	1561.42 nm	192.0 THz	W1220-S
21	1560.61 nm	192.1 THz	W1221-S
22	1559.79 nm	192.2 THz	W1222-S
23	1558.98 nm	192.3 THz	W1223-S
24	1558.17 nm	192.4 THz	W1224-S
25	1557.36 nm	192.5 THz	W1225-S
26	1556.55 nm	192.6 THz	W1226-S
27	1555.75 nm	192.7 THz	W1227-S
28	1554.94 nm	192.8 THz	W1228-S
29	1554.13 nm	192.9 THz	W1229-S
30	1553.33 nm	193.0 THz	W1230-S

ITU Grid	Channel	Frequency	Part No.
31	1552.52 nm	193.1 THz	W1231-S
32	1551.72 nm	193.2 THz	W1232-S
33	1550.92 nm	193.3 THz	W1233-S
34	1550.12 nm	193.4 THz	W1234-S
35	1549.32 nm	193.5 THz	W1235-S
36	1548.51 nm	193.6 THz	W1236-S
37	1547.72 nm	193.7 THz	W1237-S
38	1546.92 nm	193.8 THz	W1238-S
39	1546.12 nm	193.9 THz	W1239-S
40	1545.32 nm	194.0 THz	W1240-S
41	1544.53 nm	194.1 THz	W1241-S
42	1543.73 nm	194.2 THz	W1242-S
43	1542.94 nm	194.3 THz	W1243-S
44	1542.14 nm	194.4 THz	W1244-S
45	1541.35 nm	194.5 THz	W1242-S
46	1540.56 nm	194.6 THz	W1246-S
47	1539.77 nm	194.7 THz	W1247-S
48	1538.98 nm	194.8 THz	W1248-S
49	1538.19 nm	194.9 THz	W1249-S
50	1537.40 nm	195.0 THz	W1250-S
51	1536.61 nm	195.1 THz	W1251-S
52	1535.82 nm	195.2 THz	W1252-S
53	1535.04 nm	195.3 THz	W1253-S
54	1534.25 nm	195.4 THz	W1254-S
55	1533.47 nm	195.5 THz	W1255-S
56	1532.68 nm	195.6 THz	W1256-S
57	1531.90 nm	195.7 THz	W1257-S
58	1531.12 nm	195.8 THz	W1258-S
59	1530.33 nm	195.9 THz	W1259-S
60	1529.55 nm	196.0 THz	W1260-S

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