



## W12XX-P

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

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.

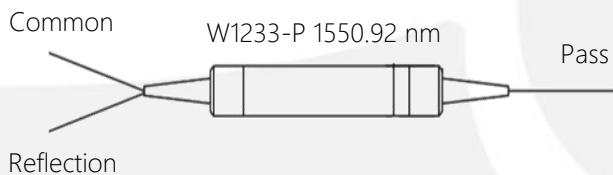
#### FEATURES

- 1.6 nm Channel Spacing
- 60 Wavelengths Available
- High Channel Isolation
- High Stability and Reliability
- Low Insertion Loss

#### USE IN

- Narrow Bandwidth Filter
- Channel Add/Drop
- Wavelength Routing
- Fiber Optic Amplifier
- DWDM Network

#### FUNCTIONAL DIAGRAM



#### ORDERING OPTIONS

W12XX-P	Example
XX: Channel Number	01=W1201-P 1577.03 nm
01, 02,... 60	02=W1202-P 1576.20 nm
	...
	60=W1260-P 1529.55 nm

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	0.6 dB max.
Return Loss	45 dB min.
Directivity	50 dB min.
Isolation-Adjacent Channel	30 dB min.
Isolation-Non-Adjacent Channel	40 dB min.
Spectral Ripple	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	-20°C to +75°C
Storage Temperature	-45°C to +85°C

DWDM  
100G/200G

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### Selection Guide (Channel 01-60)

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

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