

0601 DWDM

W1363-S



1X2 DWDM Channel 63, 50 G, 1527.22 nm

The DWDM is designed for long-haul transmission where wavelengths are packed tightly together. The 50 GHz spacing DWDM filters allow system designers optimal configuration flexibility. They feature 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 optic filter.

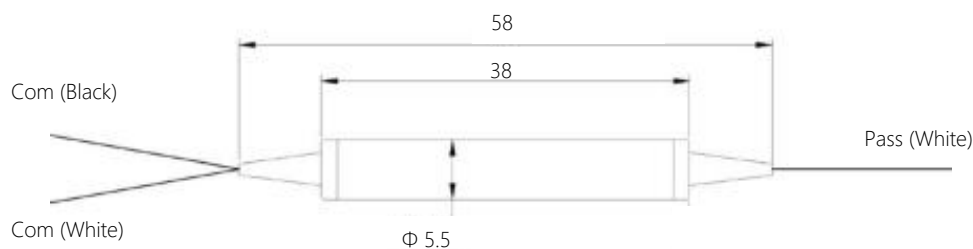
FEATURES

- 0.4 nm Channel Spacing
- 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

MECHANICAL DIAGRAM



ORDERING OPTIONS

W13XX-S

XX: Channel Number
01, 02,... 65

Example

01=W1101-S 1577.03 nm

02=W1102-S 1576.20 nm

...

65=W1165-S 1525.66 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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Operating Wavelength Range	1530 nm to 1565 nm
Channel Spacing	50 GHz
Center Wavelength	1527.22 nm
Channel Passband (@-0.5 dB Bandwidth)	0.1 nm min.
Reflect Band	1500 nm~ $\lambda_{ITU+1} + 0.05$ nm & $\lambda_{ITU-1} - 0.05$ nm~1600 nm
Insertion Loss	Pass Channel 1.2 dB max.
	Reflect Channel 0.6 dB max.
Isolation	Adjacent 25 dB min.
	Non-adjacent 35 dB min.
	Reflection 12 dB min.
Polarization Dependent Loss	0.15 dB max.
Polarization Mode Dispersion	0.20 ps max.
Directivity	45 dB min.
Return Loss	45 dB min.
Maximum Power Handling	500 mW
Operating Temperature	-5 °C to +70 °C
Storage Temperature	-40 °C to +85 °C
Operating Temperature	-0 °C to +75 °C
Fiber Type	G657A1 Loose Tube
Dimension	5.5x5.5x38 mm

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