

Filter WDMs (660 - K Series)

CORNING

Features and Benefits

High Isolation

Low Insertion Loss

Bi-directional

Completely Passive

Epoxy-Free Optical Path

Corning offers the 660 - K Series of filter WDM products which utilize high-performance thin film interference filters to provide exceptional bandpass performance. The filter WDM is a bi-directional component optimized for a variety of applications including erbium doped fiber amplifiers. Corning's products offer minimal insertion loss and high isolation. They also offer stable and reliable performance over a broad temperature range.

Standards

RoHS	Free of hazardous substances according to RoHS2011/65/EU
Design and Test Criteria	Product is qualified to Telcordia GR-1209-CORE and GR-1221-CORE



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Specifications

Parameters	
Wavelength Range	1270-1350 nm and 1530-1570 nm or 1610-1680 nm
Pass Channel Insertion Loss	< 0.6 dB
Reflect Channel Insertion Loss	< 0.4 dB
Pass Channel Isolation	> 30 dB
Reflect Channel Isolation	> 12 dB
Return Loss	> 45 dB
Directivity	> 50 dB
PDL	< 0.1 dB
PMD	< 0.1 ps
Maximum Optical Power	300 mW
Operating Temperature Range	-5°C to +65°C
Storage Temperature Range	-40°C to +85°C
Tensile Load (900 μ m Buffered)	5N Maximum

Shipping Package		
Packaging Dimensions	Fiber Type	Pigtail Length
38 mm x 5.0 Φ mm (Not including boots)	Fiber Type: Corning® SMF-28e® or compatible	1 m (Standard)

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Ordering Information

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1 2 3 4 5

1 Select Wavelength Range
K: 1310/1550/1625 nm

2 Select Mode
1: Short Pass/Long Reflect
2: Long Pass/Short Reflect

3 Select Pigtail Type
0: 250 μ m Tube
1: 900 μ m Tube

4 Select Connector*
A: None
L: LC/PC
P: FC/PC
Q: FC/APC
S: SC/PC
T: SC/APC
U: MU/PC

5 Select Customization
000: Standard or
Running number used for
special types or custom made

Note:

* Specifications do not include connector loss.

These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or oemsales@corning.com and visit www.corning.com/opcomm/oem for sales support.



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