1310/1550 CWDM Band Splitter/Combiner

CORNING

Features and Benefits

High Isolation
Low Insertion Loss
Bi-Directional
Completely Passive

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

Corning offers the 1310/1550 CWDM Band Splitter/ Combiner which utilizes high performance thin film interference filters to provide exceptional bandpass performance. The filter WDM is a bi-directional component optimized to split or combine the traditional 1310 nm signal to the eight CWDM channels in the 1550 nm S-C-L bands. This product offers minimal insertion loss and high isolation. It also offers stable and reliable performance over a broad temperature range.

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Specifications

Parameters	Specifications
Wavelength Range	Pass Channel 1260-1360 nm Reflect Channel 1460-1620 nm
Insertion Loss	Pass Channel < 1.0 dB Reflect Channel < 0.6 dB
Isolation	Pass Channel > 40 dB Reflect Channel > 15 dB
Return Loss	> 45 dB
Directivity	> 50 dB
PDL	< 0.2 dB
PMD	< 0.2 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 µm Buffered)	5N Maximum

Packaging Dimensions	Fiber Type	Pigtail Length
<52.5 mm x 46 Φmm (Including Boots)	Fiber Type: Corning® SMF-28e® or compatible, 900 µm	1 m (Standard)

Ordering Information

1310/1550 CWDM Band Splitter/Combiner

6 6 0 - E 2 1 ☐ - 3 ☐ 1 ☐ ☐
               1   **2**   **3**

1 **Select Pigtail Type**
0: 250 µm Tube
1: 900 mm Tube
2: 250 mm Box
3: 900 mm Box

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

3 **Select Customization**
00: Standard
Running number used for
special types or custom made

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.

RoHS COMPLIANT

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