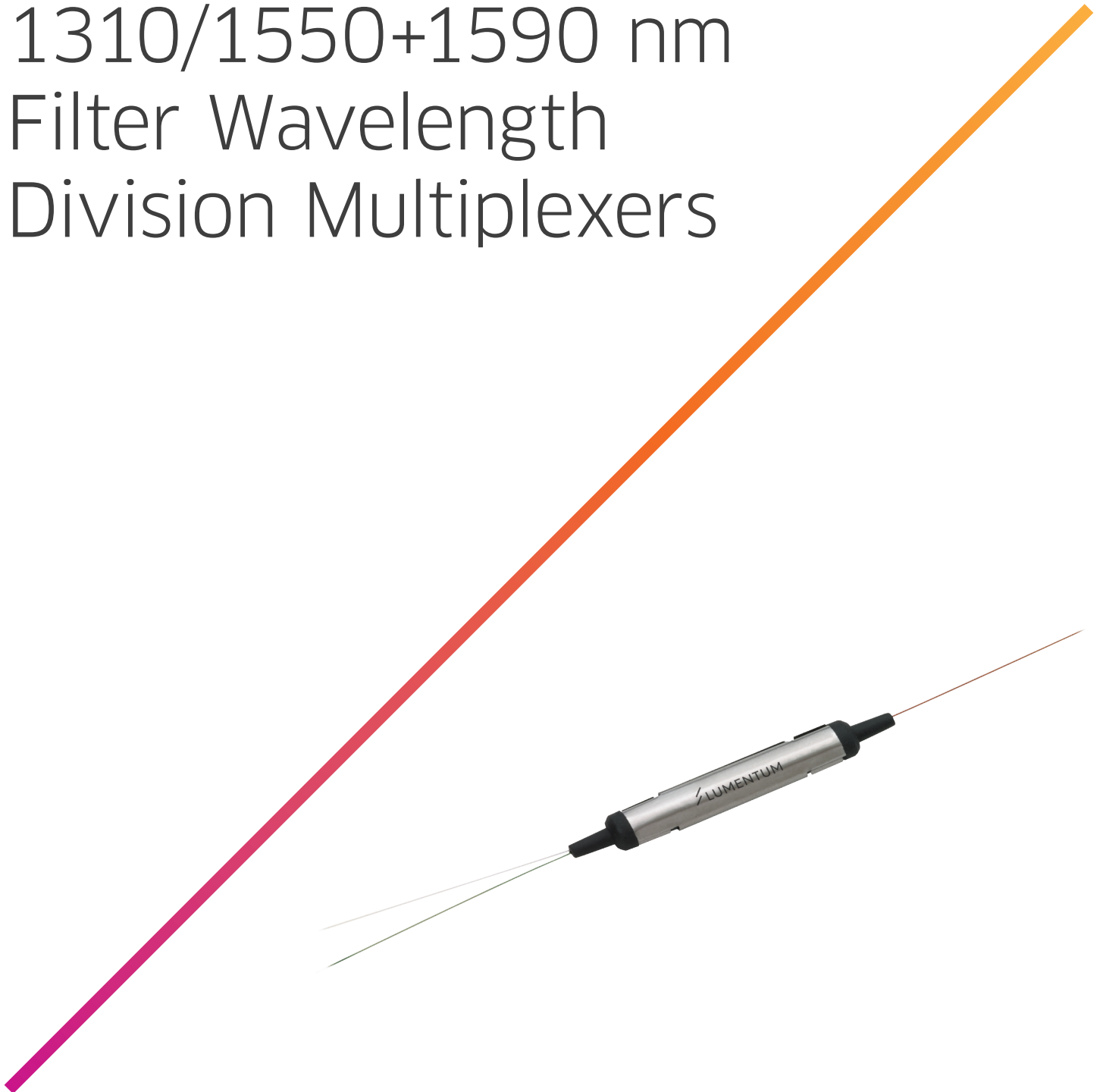


# 1310/1550+1590 nm Filter Wavelength Division Multiplexers



Lumentum 1310/1550+1590 nm filter wavelength division multiplexers (WDMs) use interference filter technology to separate or combine optical signals.

With wide bandwidth, low insertion loss, high isolation, low temperature dependent loss, and low polarization sensitivity, Lumentum filter WDMs are ideal for telecommunication and WDM network applications.

**Key Features**

- Extended operating temperature capabilities
- Wide bandwidth (C+L)
- Low insertion loss
- High isolation
- Exceptional reliability and environmental stability

**Applications**

- Long-haul optical transmission
- Cost-effective add/drop node in metro network

**Compliance**

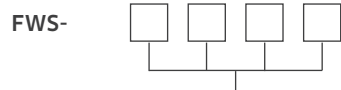
- Telcordia GR-1221

**Specifications**

Parameter		Pass 1310/Reflect 1550+1590	Pass 1550+1590/Reflect 1310
Pass port (C↔P) wavelength range $\lambda_P$		1260 to 1360 nm	1480 to 1620 nm
Pass port (C↔P) insertion loss	Maximum		0.8 dB
Pass port (C↔P) isolation at $\lambda_R$	Minimum		50 dB
Reflect port (C↔R) wavelength range $\lambda_R$		1480 to 1620 nm	1260 to 1360 nm
Reflect port (C↔R) insertion loss	Maximum		0.6 dB
Reflect port (C↔R) isolation at $\lambda_P$	Minimum		15 dB
Directivity	Minimum		55 dB
Optical return loss	Minimum		50 dB
Polarization dependent loss	Maximum		0.05 dB
Polarization mode dispersion	Maximum		0.1 ps
Fiber length			1.5±0.1 m
Optical Power	Maximum		500 mW
Tensile load	Maximum		5 N
Operating temperature			-40 to 85°C
Storage temperature			-40 to 85°C
Package dimensions (D x L)			
250 $\mu$ m fiber			5.5 x 35.5 mm
900 $\mu$ m fiber			5.5 x 42.9 mm

## Ordering Information

For more information on this or other products and their availability, please contact your local Lumentum account manager or Lumentum directly at [customer.service@lumentum.com](mailto:customer.service@lumentum.com).



Code	Wavelength
3P5R	1310 nm Pass/1550+1590nm Reflect
5P3R	1550+1590 nm Pass/1310nm Reflect

**3P**



Code	Fiber Type
1	250 μm fiber
2	900 μm fiber

**0**



Code	Connector <sup>1,2</sup>
0	No connector
1	FC/SPC
2	FC/APC
3	SC/SPC
4	SC/APC
5	ST
6	LC/SPC

1. Connectors available only with 900 μm fiber option.
2. Other connectors available upon request.

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North America  
Toll Free: 844 810 LITE (5483)

Outside North America  
Toll Free: 800 000 LITE (5483)

China  
Toll Free: 400 120 LITE (5483)

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