

1310/1550+1590 nm Filter Wavelength Division Multiplexers



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

JDSU 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, JDSU filter WDMs are ideal for telecommunication and WDM network applications.

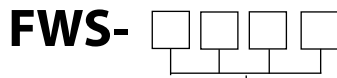
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Specifications

Parameter	Pass 1310 / Reflect 1550+1590	Pass 1550+1590 / Reflect 1310
Pass port (C↔P) wavelength range λ_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 λ_R	Minimum	50 dB
Reflect port (C↔R) wavelength range λ_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 λ_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 μ m fiber		5.5 x 30 mm (Standard), 3.2 x 30 mm (Miniature)
900 μ m fiber		5.5 x 40 mm (Standard), 3.2 x 40 mm (Miniature)

Ordering Information

For more information on this or other products and their availability, please contact your local JDSU account manager or JDSU directly at 1-800-498-JDSU (5378) in North America and +800-5378-JDSU worldwide or via e-mail at customer.service@jdsu.com.

Sample: FWS-3P5R3P100


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



Code	Fiber Type
1	250 μm fiber
2	900 μm fiber



Code	Package
0	Standard
1	Miniature



Code	Connector ^{1,2}
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.