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Band Multi-Channel Modules



Key Features

- Cost effective
- Low insertion loss
- Extended temperature range
- High isolation
- Bi-directional operation
- Exceed Telcordia GR-1221 standards
- Exceptional reliability and environmental stability

Applications

- Access/enterprise networks
- Metro networks
- Transport systems

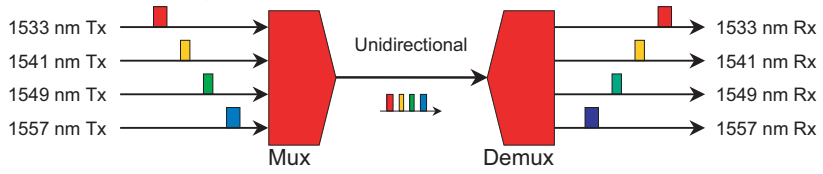
JDSU band multi-channel modules are manufactured using laser welding technology to exceed Telcordia GR-1221 requirements. These devices demonstrate low loss, temperature insensitivity, and reliable performance in any system application. They are available in east/west and multiplexer/demultiplexer configurations.

JDSU band multi-channel modules enable networks for bi-directional and unidirectional communication of coarse wavelengths within the C band. Their wide passbands and efficient filter technology provide a low-cost wavelength management solution suitable for Access and Metro markets.

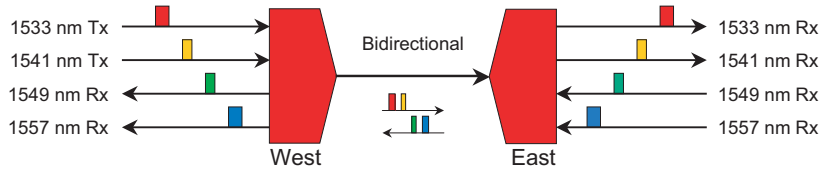
Easily customizable, JDSU band multi-channel modules can be configured from a standard list of packaging and connector options.

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Mux/Demux Configuration



East/West Configuration



Specifications

Parameter		Specification
Wavelength range		C Band 1528 nm to 1565 nm
Passband width		1533±3.5 nm, 1541±1.5 nm, 1549±1.5 nm, 1557±3.5 nm
Insertion loss[1] (any channel)	Maximum	2.0 dB
Insertion loss[1] (end to end)	Maximum	4.0 dB
Isolation[2] (adjacent channel)	Minimum	35 dB
Directivity	Minimum	45 dB
Return loss	Minimum	45 dB
Polarization dependent loss	Maximum	0.25 dB
Polarization mode dispersion	Maximum	0.1 ps
Optical power handling	Maximum	1 W
Operating temperature range		-5 to 75 °C
Storage temperature range		-40 to 85 °C
Package dimensions (W x D x H)		
CS cassette		6.86” x 5.07” x 1.38”
LGX cassette		6.36” x 5.10” x 1.15”

1. Losses include one connector.
2. Isolation values stated are for demultiplexers or the receive side of the East/West modules only.

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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: FWM-4E33SLGB2

FWM-4 □ 33S □□ B □

Code	Device
D	4 Channel Demux
M	4 Channel Mux
E	4 Channel East
W	4 Channel West

Code	Cassette
CS	CS cassette
LG	LGX cassette

Code	Bulkhead Connector[1]
2	FC/SPC
4	SC/SPC
8	ST/SPC

1. Other connectors available upon request.

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