

▶ DWDM 200GHz Spacing

▶ DESCRIPTION

Radiant Communications supplies Dense Wave Division Multiplexers and De-multiplexers that combine (and separate) up to sixteen Wavelengths onto one fiber.

Radiant's DWDM modules are available for ITU channel spacing of 200 GHz, complying with ITU standard. The DWDM modules demonstrate low loss, return loss and cross-talk. Their environmental stability guarantees reliable performance in any system application. Radiant offers four, eight and sixteen channel units.

These devices can be also configured with number of channels for any customer-specific channel plan.

Packaging options includes connector and enclosure types.

▶ BENEFITS

Separate and combine multiple wavelengths onto one fiber

Environmentally stable

Easy installation



▶ FEATURES

Low return loss

Low crosstalk

Low loss



Comply with ITU Standard



**Radiant
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SPECIFICATIONS

Optical

Channel: 2 / 4 / 8 / 16
Center Wavelength: Channels 21~60 or ITU Standard (customer specify)
Channel Spacing: 1.6nm
Channel Spacing: 200GHz
Passband @0.5dB: ITU +/- 0.25nm
Insertion Loss for 4 channel: ≤3.0dB
Insertion Loss for 8 channel: ≤5dB
Insertion Loss for 16 channel: ≤6dB
Adjacent Channel Isolation: ≥10dB(Mux), ≥25dB(Demux)
Non-adjacent Channel Isolation: ≥35dB
Uniformity: ≤1.5dB
Directivity: ≥50dB
Optical Input Return Loss: ≥45dB
Polarization Dependent Loss: ≤0.2dB
Polarization Mode Dispersion (PMD): ≤0.1ps
Optical Power: ≥300mW

General Characteristics

Thermal Stability Drift: <0.003nm/°C
Temperature: Storage -40° to 80° C
Operating 0° to 65° C
Size: IU Rack Mount 17.0" W x 10.0"D x 1.75" H
Coupler module(2 and 4 channels only)
6"W x 4.5"D x 1.0"H

* For different number of channels, center wavelengths and any specific customer requirements contact factory.

ORDERING INFORMATION

DWDM-XY-200-Z-PG

- Specify X for type: M—Mux, D—DeMux
- Specify Y for number of channels (2, 4, 8, 16 or custom)
- Specify Z for packaging U—IU rackmount or C—coupler module (four channel only)
- Specify T for connector type A—SC/APC, E—SC, D—ST, B—FC, Z—FC/APC
- Specify G for group of wavelengths:
 - 1- (CH33,CH35)
 - 2- (CH51, CH53)
 - 3- (CH21, CH23, CH25, CH27)
 - 4- (CH29, CH31, CH33, CH35)
 - 5- (CH39, CH41, CH43, CH45)
 - 6- (CH47, CH49, CH51, CH53)
 - 7- (CH21, CH23, CH25, CH27, CH29, CH31, CH33, CH35)
 - 8- (CH39, CH41, CH43, CH45, CH47, CH49, CH51, CH53)
 - 9- (CH21, CH23, CH25, CH27, CH29, CH31, CH33, CH35, CH39, CH41, CH43, CH45, CH47, CH49, CH51, CH53)

Notes: 1. Specify custom wavelengths needed separately .
2. Custom packaging is available, contact factory.
3. Special lower loss units are also available for critical applications.



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