Radiant Communications Corporation offers a fine line of high quality Dense Wavelength Division Multiplexing Devices for the multiplexing & demultiplexing of singlemode DWDM wavelengths.

**PACKAGING OPTIONS:**
- Standard cartridge
- Mini cartridge
- LGX style cartridge (single & dual)
- 1RU rack mount
- Outdoor dome splice enclosure

*Other options are available*

**CONNECTIONS**
All popular adaptor styles are available

- Low Insertion Loss
- High Port Isolation Values
- Many Customized Packaging Options For Your Application

- Environmentally stable
- Easy installation
- Low Insertion, Return Loss Values

**CONNECTIONS**
All popular adaptor styles are available
### Parameter	Unit	Value
Channel Number	8ch, 12ch, 16ch, 20ch, 40ch
Channel Insertion Loss	dB	≤ 4.0 ≤ 4.8 ≤ 5.0 ≤ 5.5 ≤ 6.0
EXP Insertion Loss	dB	≤ 1.5 ≤ 1.5 ≤ 1.5 ≤ 1.5 ≤ 1.5
Test Rx Insertion Loss	dB	≤ 23 ≤ 23 ≤ 23 ≤ 23 ≤ 23
Test Tx Insertion Loss	dB	≤ 27 ≤ 27 ≤ 27 ≤ 27.5 ≤ 28
PMD	ps	≤ 0.1 ≤ 0.1 ≤ 0.15 ≤ 0.15 ≤ 0.25
Operating Wavelength
nm	1260 – 1635
EXP wavelength
nm	1260 – 1520, 1570 – 1635
EXP isolation
dB	≥ 13
Channel Spacing
GHz	100
Channel Pass Band
nm	± 0.11
Ripple
dB	≤ 0.5
Adjacent Channel isolation
dB	≥ 28
Non-adjacent Chan isolation
dB	≥ 40
PDL
dB	≤ 0.25
Return Loss
dB	≥ 45
Directivity
dB	≥ 50 Channel port, ≥ 45 EXP port
Maximum Input Power
mW	≤ 300
Operating Temperature
°C	-40 – 65 (Cassette)
Operating Temperature
°C	-20 – 65 (LGX Cartridge)
Operation Humidity
%RH	5 – 95
Storage Temperature
°C	-40 – 45
Storage Humidity
%RH	5 – 95

### ORDERING INFORMATION

**DWDM-X XX-M2EX-XX-XXX-X**

**DWDM Identifier**

**Demux/Mux Identifier**

D – Demultiplexer

M – Multiplexer

**Channel Number**

4, 8, 12, 16, 20 or 40

**Optional Functions**

M2 – Dual TX & RX Test Ports (-20 dB)

EX – Express Port (1260-1520, 1570-1635)

M2EX - Dual TX & RX Test Ports (-20dB) & Express Port (1260-1520, 1570-1635)

*Leave blank if not applicable*

**First Channel**

Note: 100 GHZ spacing

**Connectors**

A – SCAPC

A(2) – SCAPC Test Ports only

E – SCUPC

F – LCUPC

G – LCAPC

**Packaging**

SE – Splice Enclosure

SE2 - Splice Enclosure w/ Dual Fiber

1U – 1RU Rack Mount

LG – LGX Cartridge

LG2 – LGX Cartridge w/ Dual Filters

MRC – Mini Standard Package

RC – Standard Package

**Note:**

List all wavelengths and any additional ordering information with your RCC Sales Representative

Due to product enhancements, specifications are subject to change without notice.

www.rccfiber.com

Phone: 908-757-7444 or 800-969-3427

Fax: 908-757-8666

Email: sales@rccfiber.com

1/2018