



DESCRIPTION

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

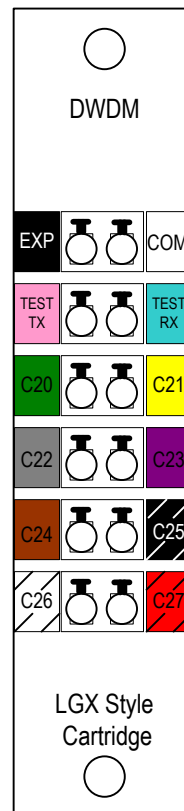
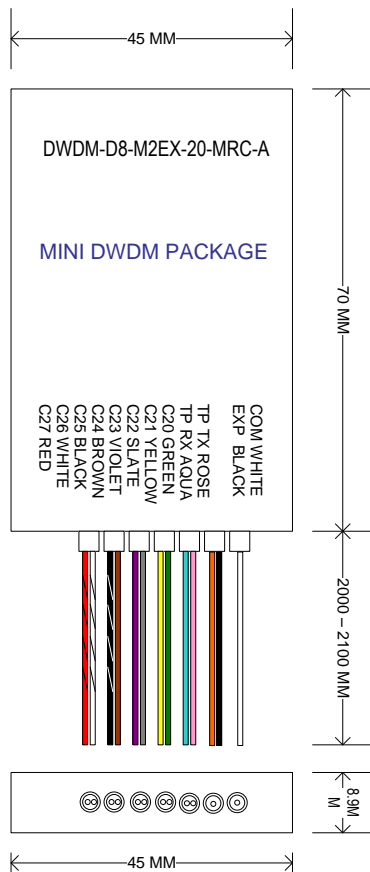
All popular adaptor styles are available

BENEFITS

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

FEATURES

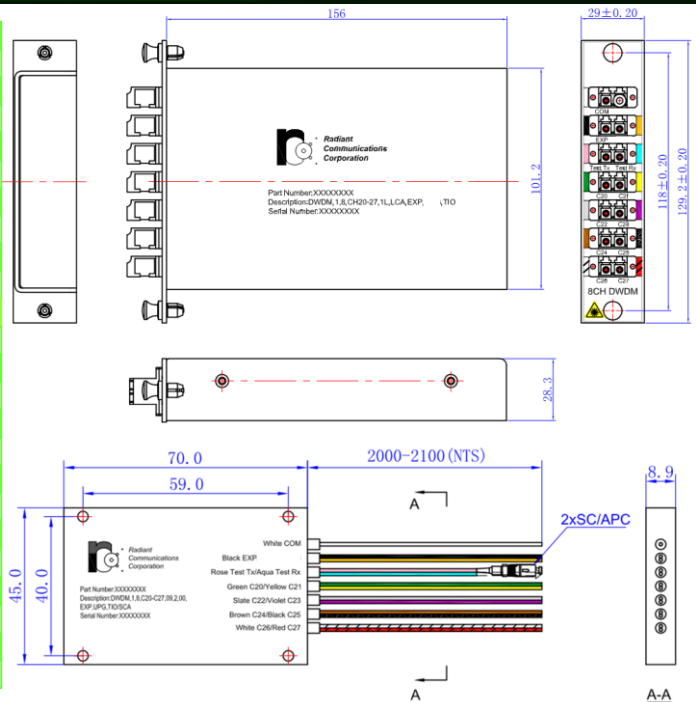
- Environmentally stable
- Easy installation
- Low Insertion, Return Loss Values



DWDM-D8-M2EX-20-LG-G

DWDM

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 Filter

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