



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

DESCRIPTION

PACKAGING OPTIONS:

- Standard cartridge
- Mini cartridge
- LGX style cartridge (single width)
- 1RU rack mount
- Outdoor dome splice enclosures
Other options are available

CONNECTORS

All popular adaptor styles are available

OPTIONAL PORTS

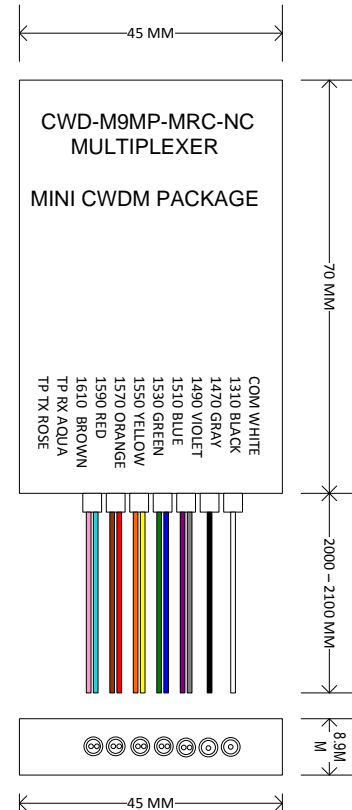
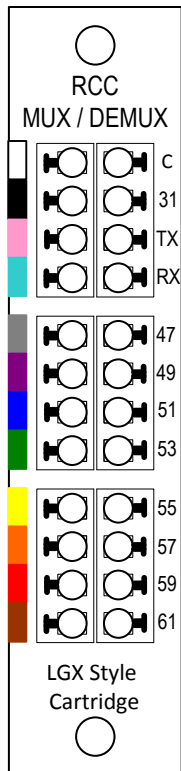
- Optical TX & RX Test Ports
- Express Port (1260-1635nm)

FEATURES

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

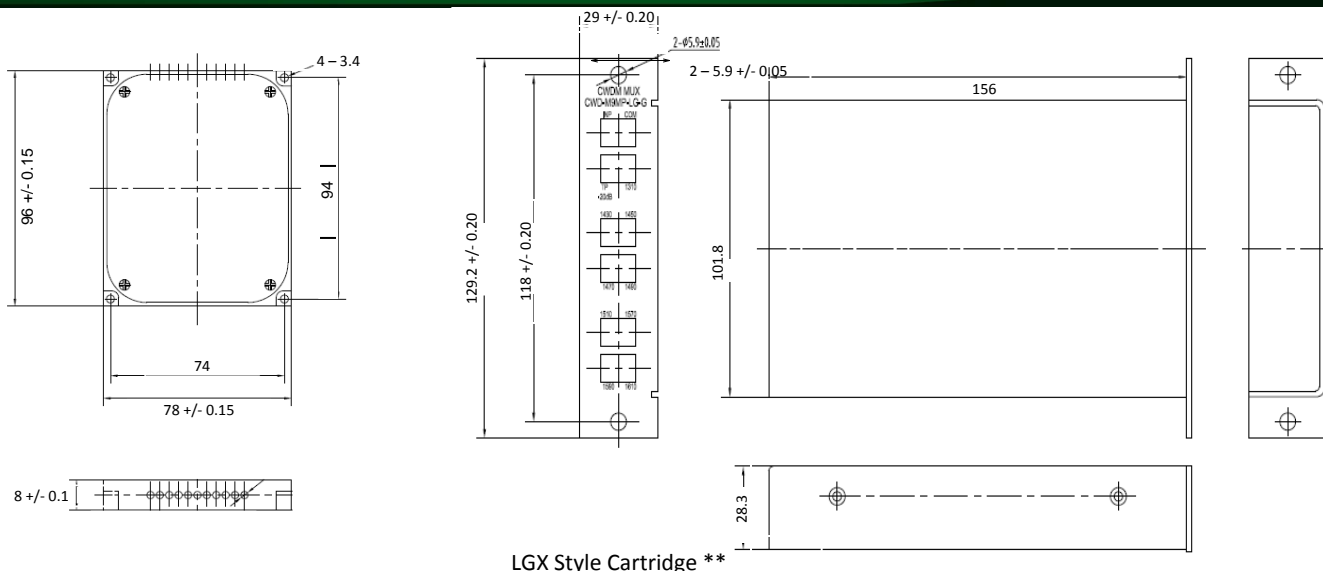
BENEFITS

- Environmentally stable
- Easy installation
- Low Insertion, Return Loss Values
- Optional Test & Express Ports



Fiber Optic CWDM

DIMENSIONS



Standard Cartridge **

LGX Style Cartridge **

SPECIFICATIONS

OPTIC AND/OR ELECTRIC SPECIFICATION

| Parameters | Unit | Value | Note |
|----------------------------------|------|------------|----------------|
| Operating Channel Wavelength | nm | 1271-1611 | |
| Express Port Wavelengths | nm | 1260-1635 | |
| Channel Number | NA | 8 | |
| Channel Spacing | nm | 20 | |
| Center Wavelength (Channel) | nm | ITU-T Grid | CWDM |
| Pass Band@-0.5dB | nm | cw+/-6.5 | |
| CWDM 8 Channel Insertion Loss | dB | ≤3.5 | |
| Express to Com Insertion loss | dB | ≤2.9 | |
| CWDM Adjacent Channel | dB | ≥30 | Only for Demux |
| CWDM Non-Adjacent Channel | dB | ≥45 | |
| 1310nm Upgrade Channel Isolation | dB | ≥40 | |
| Com to TSP port Insertion Loss | dB | ≤20.4 | Only for Mux |
| Return loss | dB | ≥45 | |
| Directivity | dB | ≥50 | |
| PDL | dB | ≤0.15 | |
| PMD | PS | ≤0.15 | |
| Power Handling | mW | 300 | |

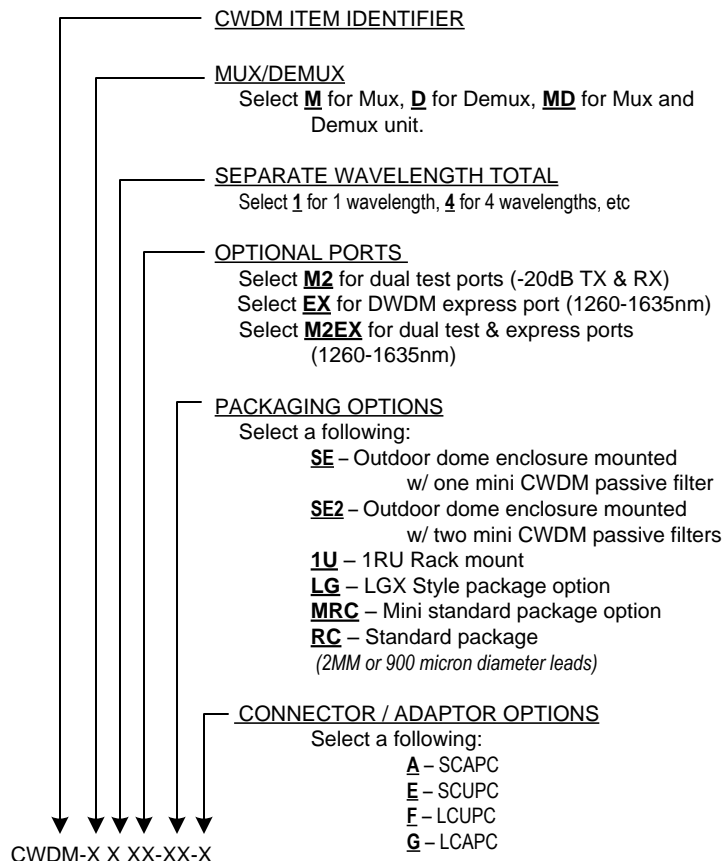
All values include connector

Absolute Maximum Ratings

| Parameter | Specification | Units |
|-----------------------|---------------|-------|
| Operation Temperature | -40 – 85 | C |
| Operation Humidity | 5 – 95 | %RH |
| Tensile Strength | >5 | N |

** Optical packaging subject to changes due to availability requirements

CWDM PART NUMBER BUILD LIST



Please state all wavelengths needed and any additional ordering information to your RCC Sales Representative.