

# CWDM

## 4 Channel

### Features:

- Epoxy-Free Optical Path
- Low insertion loss
- Low Temperature Sensitivity

### Applications:

- DWDM System
- Add/Drop Channels
- CATV Fiber Optical Link
- Fiber Amplifier System



## Specifications: OPC-WD251-21100

| CWDM                                                              | Mux (Add)           | De-Mux (Drop) |
|-------------------------------------------------------------------|---------------------|---------------|
| Center Wavelength (nm) $\lambda_c$                                | 1510,1530,1550,1570 |               |
| Center Wavelength Accuracy (nm)                                   | ±0.4                |               |
| Channel Spacing (nm)                                              | 20nm                |               |
| Channel Passband (@-0.5dB) (nm)                                   | > 15                |               |
| Channel Insertion Loss (dB)                                       | ≤ 2.5               |               |
| Channel Uniformity (dB)                                           | ≤ 1.0               |               |
| Passband Ripple (dB)                                              | < 0.30              |               |
| Return Loss (dB)                                                  | ≥ 50                |               |
| Directivity (dB)                                                  | ≥ 50                |               |
| Adjacent Channel Isolation (dB) $\lambda_c \pm 12.5\text{nm}$     | N/A                 | > 30          |
| Non-Adjacent Channel Isolation (dB) $\lambda_c \pm 32.5\text{nm}$ | N/A                 | > 40          |
| Insertion Loss Thermal Stability (dB/°C)                          | ≤ 0.005             |               |
| Thermal Stability Drift (nm/°C)                                   | ≤ 0.0025            |               |
| Polarization Dependent Loss (PDL) (dB)                            | ≤ 0.1               |               |
| Polarization Mode Dispersion (PMD) (PS)                           | ≤ 0.1               |               |
| Maximum Power Handling (mW)                                       | 250                 |               |
| Maximum Tensile Load (N)                                          | 5                   |               |
| Operating Temperature (°C)                                        | -5 to +70           |               |
| Storage Temperature (°C)                                          | -40 to +85          |               |
| Package Dimension (L×W×H) (mm)                                    | 120X80X10           |               |

※ 1: Insertion loss does not include connector loss

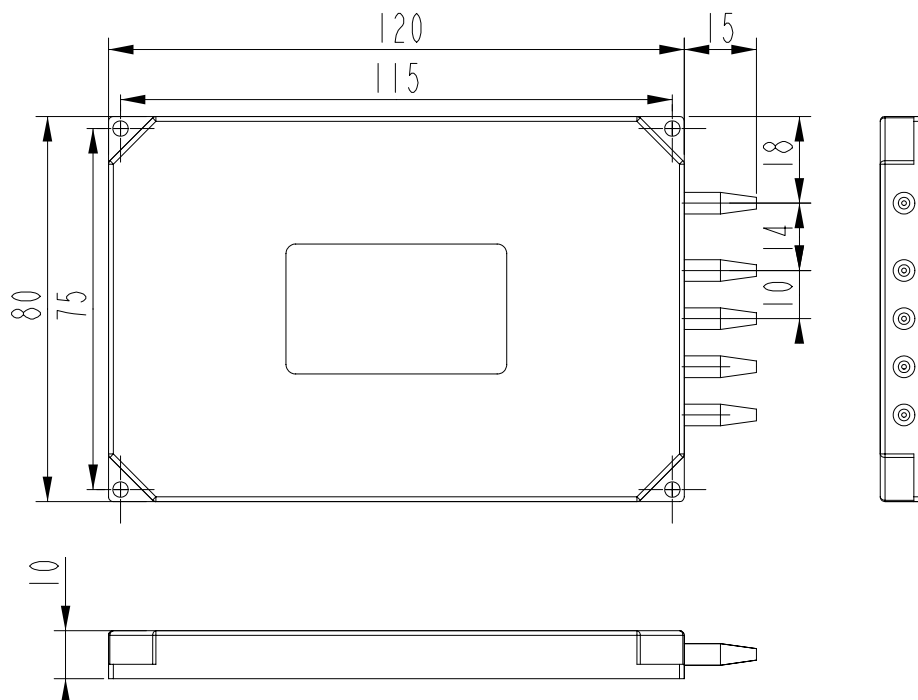
DELTA ELECTRONICS, INC.

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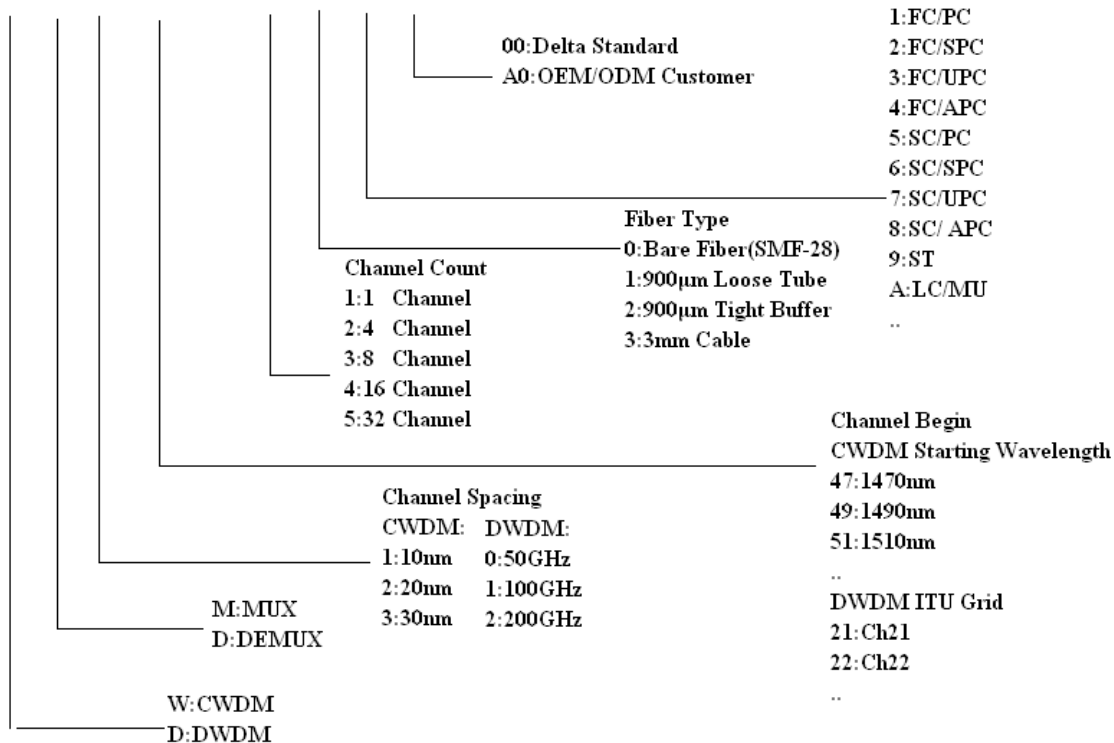
<http://www.deltaww.com>

## Dimension:



## Order Information:

OPC - XXXXX - XXXXX



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