

Features

- Wide and flat passband ($\pm 20\text{nm}$)
- High channel isolation
- Low insertion loss
- Low polarization dependant loss
- Exceptional reliability and stability



Applications

- Metro network
- Access network
- Enterprise network

Product Description

Primanex 1310 /1550 /1625 Extend-WDM Mux/DeMux modules are based on mature thin-film filter techniques, and provide flat and wide passband, high channel isolation, very low insertion loss and exceptional reliability and stability. The modules are well suited for the low-cost lasers without cooling, and can tolerate substantial laser wavelength drift without degrading system performances. The module packaging such as dimension, structure, fiber type and connectors can be customized.

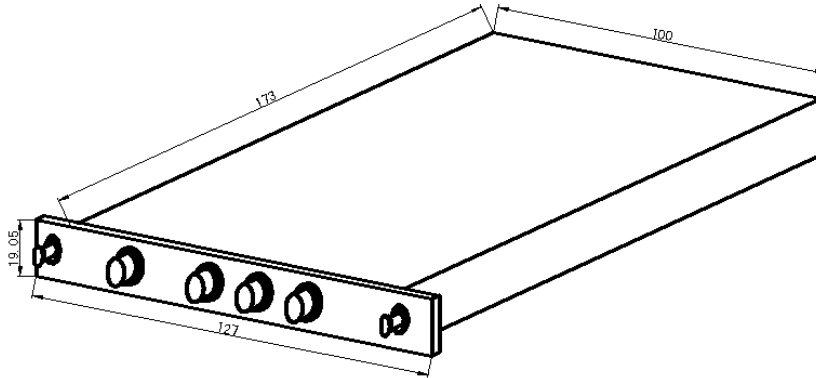
Specifications

| Item | Unit | Parameters | Notes |
|--------------------------------|--------------------|--|-------|
| Wavelength Range | nm | 1260~1650 | |
| Channel Centers | nm | 1310/1550/1625 | |
| Channels | ch | 1, 2, or 3 | |
| Passband | nm | $\geq \pm 20$ | |
| Passband Ripple | dB | ≤ 0.3 | |
| Channel Insertion Loss | dB | 1.5 dB for 3-channel modules 1.1 dB for 2-channel modules 0.8 dB for 1-channel modules | |
| Channel Isolation | dB | ≥ 50 | |
| Polarization Dependent Loss | dB | ≤ 0.2 | |
| Polarization Mode Dispersion | ps | ≤ 0.2 | |
| Directivity | dB | ≥ 50 | |
| Return Loss | dB | ≥ 45 | |
| Optical Power Handling | mW | ≤ 500 | |
| Operating Temperature Range | $^{\circ}\text{C}$ | -5 to 70 | |
| Storage Temperature Range | $^{\circ}\text{C}$ | -40 to +85 | |
| Fiber Type | NA | SMF-28e+ | |
| Package Dimensions (L x W x H) | mm | 173 x100 x 19.05 | |

*. All the specifications are based on the devices without connector, and guaranteed over wavelength, polarization and temperature.

** Specifications are subject to change without notice.

Dimensions Drawing (mm)



Ordering Information (Example:EWMM-1FS220)

EWMM - **F**

| Code Channel Plan |
|----------------------|
| 1. 1310/1550/1625 nm |
| 2. 1310/1625 nm |
| 3. 1550/1625 nm |
| 4. 1310/1550 nm |
| 5. Others |

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| Code Fiber Type |
|----------------------|
| 1. 250 μ m fiber |
| 2. 900 μ m fiber |
| 3. Others |

| Code Fiber Length |
|-------------------|
| 1. 0.5 +/-0.1 m |
| 2. 1.0 +/-0.1 m |
| 3. Others |

| Code Connector Type |
|---------------------|
| 0. No Connector |
| 1. FC/UPC |
| 2. FC/APC |
| 3. SC/UPC |
| 4. SC/APC |
| 5. LC/PC |
| 6. MU/PC |
| 7. Others |

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