

Variable Optical Wavelength Division Multiplexer Module Series



Product Introduction

VMUX is designed for DWDM system, reconfigurable optical add/drop multiplexer (ROADM) system, and metropolitan area network (MAN). The products have functions of Mux/Demux and pre-equalize of optical power in different channels.

Features

- Fast response, Flexible Control
- Low insertion loss
- Small volume, low cost
- High reliability

Applications

- DWDM system
- ROADM (Reconfigurable optical add/drop multiplexer)
- Long and ultra long distance optical transmission network system
- MAN(Metropolitan area network)

Standards

- Telcordia GR-1312-CORE
- RoHS

Specifications

| Parameter | Unit | Specifications |
|--------------------|------|------------------------------|
| Channel Number | | 16,32,40,48(Customer choose) |
| Channel Space | GHz | 100 |
| Operating Band | nm | C or L band |
| Bandwidth(@-0.5dB) | nm | >0.2 |

| | | |
|-------------------------------------|----|----------------------|
| Bandwidth(@-1.0dB) | nm | >0.4 |
| Bandwidth(@-3.0dB) | nm | >0.6 |
| Bandwidth(@-20dB) | nm | <1.2 |
| Channel Central Wavelength Accuracy | pm | ±50 |
| Insertion Loss | dB | <7.0 |
| Channel Insertion Loss Uniformity | dB | <1.2 |
| Polarization Mode Dispersion | ps | <0.5 |
| Polarization Dependent Loss | dB | 0~10:<0.5,10~15:<1.0 |
| Adjacent Channel Isolation | dB | >25 |
| Non-Adjacent Channel Isolation | dB | >30 |
| Return Loss | dB | >45 |
| Channel Attenuation Range | dB | >15 |
| Response Time | ms | <10 |
| Power Consumption | W | <2(TFF), <30(AWG) |
| Operating Temperature | °C | -5~+65 |
| Storage Temperature | °C | -40~+85 |

Ordering Information (针对无源产品及子系统产品)

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