

OTS3000-WDM

Wavelength Division Multiplex System



CWDM



DWDM

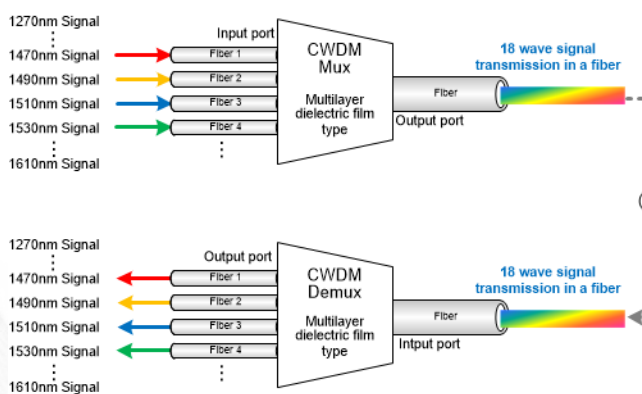
OTS3000-WDM is a kind of function card in optical communication integrated platform. It can effectively save the optical fiber resource and networking cost. It is the solution of optical fiber resource shortage and multi-service transparent transmission for MAN convergence and access layer to enable the network to be constructed and operated in short time. Since its low cost, low power consumption and compact size features, CWDM becomes an ideal transmission solution of low price and high performance choice.

Features

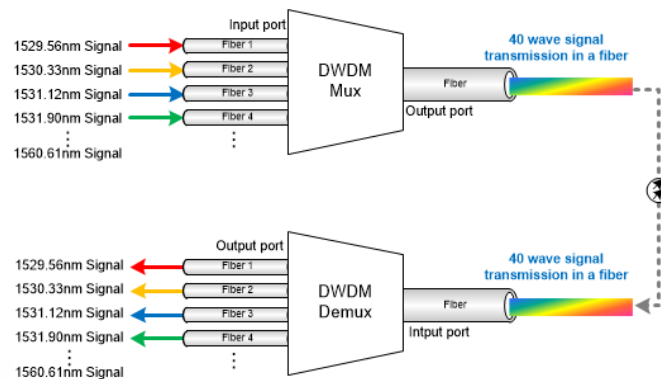
- ▣ Modularized design, Compact size, Support hot Plug.
- ▣ Low insertion loss, Low PDL, High Channel Isolation.
- ▣ High stability, High reliability.

Applications

- ▣ WDM System
- ▣ MAN (Metropolitan Area Network)



CWDM System



DWDM System

Specifications

| Parameters | Unit | OTS3000-CWDM | | | OTS3000-DWDM | | |
|------------------------------|------|---|-------|--------|--------------|--------|-------|
| Dimension | mm | 160×200×21 (WxDxH) | | | | | |
| Maximal Power Consumption | W | 0.5 | | | | | |
| Wavelength Range | nm | 1260 ~ 1620 | | | 1500 ~ 1620 | | |
| Channel Spacing | Ghz | | | | 100 | 200 | |
| Passband Width | nm | ±7.5 | | | ±0.11 | ±0.25 | |
| Passband Flatness | dB | ≤ 0.5 | | | | | |
| Channel | λ | 4 | 8 | 16 | 4 | 8 | 16 |
| Insertion Loss | dB | ≤ 1.5 | ≤ 2.7 | ≤ 5.0 | ≤ 2.0 | ≤ 3.0 | ≤ 5.0 |
| Isolation | dB | Adjacent channel isolation ≥30 Non-adjacent channel isolation ≥45 | | | | | |
| Return Loss | dB | SM ≥ 45 | | | | | |
| Directivity | dB | SM ≥ 50 | | | | | |
| PDL | dB | ≤ 0.1 | | ≤ 0.15 | | ≤ 0.20 | |
| Polarization Mode Dispersion | ps | ≤ 0.1 | | | | ≤ 0.15 | |
| Optical Power | mw | ≤ 500 | | | | | |
| Operating Temperature | °C | -5 ~ +55 | | | | | |
| Storage Temperature | °C | -20 ~ +70 | | | | | |
| Relative Humidity | | 5% ~ 95% (non-condensing) | | | | | |

Ordering Information: OTS3000-CWDM-A-B-C-D

| A: Channel Type | B: Multiplex Type | C: The Starting Wavelength | D: Connector Type |
|--|---|---|--------------------------------------|
| 4: 4 Channels 8: 8 Channels 16: 16 Channels 4+1: 4 Channels with upgrade port 8+1: 8 Channels with upgrade port 16+1: 16 Channels with upgrade port X: Others | M: MUX D: DEMUX M/D: MUX/DEMUX X: Others | 27: 1270 nm 29: 1290 nm ... 59: 1590 nm 61: 1610 nm Refer to ITU CWDM wavelength table | LP: LC/PC X: Others |

Ordering Information: OTS3000-DWDM-A-B-C-D

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