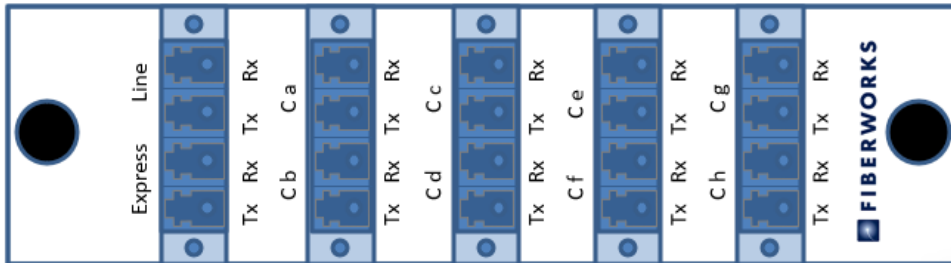


F-DOADM-8DC-L2

8-channel DWDM “drop and continue” OADM in LGX2 format



DESCRIPTION

This compact DWDM optical add/drop multiplexer (OADM) covers 8 consecutive DWDM channels in one direction (“drop and continue”). It can also be used as a DWDM multiplexer with upgrade port.

FEATURES

- Dense WDM in compliance with ITU-T G.694.1
- 8 channel DWDM OADM with 100 GHz channel spacing
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- LGX2 form factor - Three modules fit in 1U in 19" chassis or 12 modules in a 3U chassis
- LC/UPC connectors

FUNCTIONAL DESCRIPTION



Letters «a» through «h» indicate ITU DWDM channel numbers.

Ch. 21 = 192.1 THz = 1560.61 nm

Ch. 22 = 192.2 THz = 1559.79 nm

⋮

Ch. 60 = 196.0 THz = 1529.55 nm

TECHNICAL DATA

| Parameter | Unit | Value |
|--|-------|-----------------|
| Central wavelength | THz | ITU-T DWDM Grid |
| Channel spacing | GHz | 100 |
| Channel count | | 8 |
| Channel Flatness | dB | < 0.4 |
| Channel Passband (@ - 0.5 dB bandwidth) Min. | nm | 0.22 |
| IL add/drop (max) | dB | 3.0 |
| IL passthrough (max) | dB | 3.0 |
| Adjacent channel isolation | dB | > 30 |
| Non-adjacent channel isolation | dB | > 40 |
| Isolation(In → Out@ λ drop) | dB | > 15 |
| Wavelength thermal stability | nm/°C | < 0.002 |
| Insertion Loss thermal stability | dB/°C | < 0.005 |
| PDL | dB | < 0.2 |
| PMD | ps | < 0.2 |
| Return Loss | dB | > 45 |
| Operating temperature | °C | -5 to +65 |
| Storage temperature | °C | -40 to +85 |
| Dimensions (H x W x D) | mm | 35 x 130 x 210 |

ORDERING INFORMATION

| Product number | Description |
|----------------------|---|
| F-DOADM-8DC-L2-xyy*) | Fiberworks 8 ch. DWDM OADM w/mon.ports, "drop and continue", LC |

*) «xx» and «yy» indicates ITU DWDM channel numbers. Possible values for xyy are:

2128
2936
3744
4552
5360