



OMDC-CWDM-MON

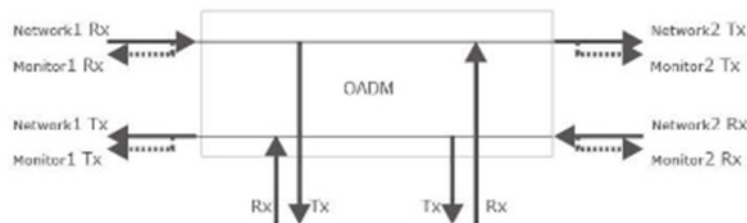
OADM CWDM

Description

1 Channel Double Fiber Passive CWDM 2-sided OADM Unit – OMDC is member of CXR xWDM Series product line.

Main advantage of xWDM is its passive nature – no power supply or cooling necessary, robustness – no special micro-climate requirements and as passive element, it has MTBF 100+ Years. xWDM is – it is fully data rate or line protocol neutral – it is possible to use with colored transceivers supporting such applications as 1G/10G Ethernet, SDH/SONET and 8/4/2/1G Fiber Channel. It's simple to install, requires no configuration or maintenance.

OMDC-XX-MON is passive 2-side (East and West) Optical Add-Drop Multiplexer (OADM) package based on Thin-Film Filter (TFF) technology, allowing extract and add 1 data stream from ITU-T G.694.2 compatible Coarse Wavelength Division Multiplex (CWDM) link. OMDC is manufactured as LGX module, installed in 19" 1U sub rack fitting any standard equipment rack.



Features

- Multiplexing of 1 Channel on fiber pair
- Low insertion loss
- LGX format for 1U 19" low profile modular design
- LC/UPC connectors for channel and Trunk
- Compliant to ITU G.694.1, 100GHz ITU grid, 0.8 nm spacing
- High quality thin film filter technology
- Passive, no electricity needed (MTBF ca. 100 years)
- 1% TAP available in TX and RX mode, for channel level monitoring

Specifications

Product Type:	CWDM Two Side OADM
Number of Data Streams:	1
Number of Optical Channels:	1 CWDM Channels According ITU-T G.694.2
CWDM Add/Drop Channels:	1271 nm, 1291 nm, 1311 nm, 1331 nm, 1351 nm, 1371 nm, 1391 nm, 1411 nm, 1431 nm, 1451 nm, 1471 nm, 1491 nm, 1511 nm, 1531 nm, 1551 nm, 1571 nm, 1591 nm, 1611 nm
Filter Technology:	TFF (Thin Film Filter)
Passband:	± 6.5 nm (λ center)
Channel Spacing:	20 nm
Insertation Loss (Add/Drop Channels):	1.0 dB
Insertation Loss (Express):	1.0 dB
Isolation Adjacent Channels:	30 dB
Isolation Non-Adjacent Channels:	40 dB
Channel Pass-band Ripple:	0.3 dB
Polarization Dependent Loss (PDL):	Max: 0.15 dB
Polarization Mode Dispersion (PMD):	Max: 0.20 ps/nm
Directivity:	Min: 50 dB
Return Loss:	Min: 45 dB
Connectors:	LC Adapters for use with TIA/EIA 604-10 compliant LC UPC Connectors
Operating Temperature:	-5~+70 (°C)
Storage Temperature:	-40~+85 (°C)
Relative Humidity:	0 – 90%
Compliance:	CE, ISO, ITU-T G.694.2, RoHS, Telecordia GR-20



CXR
T +33 (0) 237 62 87 90
www.cxr.com

Rue de l'Ornette 28410 Abondant France
contact@cxr.com