

T-32xx Series Optical CWDM Multiplexers for single fiber applications

Introduction

The T-Series CWDM Multiplexers multiplex and demultiplex optical CWDM wavelengths using high quality filters. They fully support ITU G.694.2 and G.695 and are the ideal way to add more capacity to an existing fiber network. By multiplexing 16 CWDM wavelengths, the capacity of the fiber will be increased significantly. The family consists both of Mux/Demux and Optical Add Drop Modules (OADMs).

The modules are based on a standard LGX building practice and offer a very easy installation and connection process. Two modules can be mounted into a 19" or 23"-bracket. Industry practise wavelength colour coding allows easy set-up and installation resulting in a true Plug and Play experience.

The T-series:

- T-3208A: 8 channel Mux/Demux (TX = 31, 35, 39, 43, 49, 53, 57, 61 and RX = 29, 33, 37, 41, 47, 51, 55, 59)
- T-3208B: 8 channel Mux/Demux (TX = 29, 33, 37, 41, 47, 51, 55, 59 and RX = 31, 35, 39, 43, 49, 53, 57, 61)
- T-3204A: 4 channel Mux/Demux (TX = 49, 53, 57, 61 and RX = 47, 51, 55, 59)
- T-3204B: 4 channel Mux/Demux (TX = 47, 51, 55, 59 and RX = 49, 53, 57, 61)
- T-3201A-Cxx: 2 channel OADM (RX = 47, 51, 55, 59)
- T-3201B-Cxx: 2 channel OADM (RX = 49, 53, 57, 61)

"A" and "B" modules match each other and following wavelength pairs are valid:
 xx= 29-31, 33-35, 37-39, 41-43, 47-49, 51-53, 55-57, 59-61

Applications

All optical communication systems, such as: -
 Gigabit Ethernet, SDH/SONET, ATM, ESCON, Fibre Channel, FTTx and CATV.

Features & Benefits

- Multiplexing of up to 16 CWDM wavelengths
- Low insertion loss
- Compliant to ITU G.694.2 and G.695
- LC/UPC connectors
- 1U Low profile modular design
- Passive, no electric power is required
- Extremely reliable (MTBF ca. 500 years)



Mechanical Specification

Material: Aluminium
 Weight: 1.0 kg
 Dimensions: W212 x H43 x D192 mm
 19" and ETSI mountable

Specifications Optical

Operating Wavelengths:	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 1291, 1311, 1331, 1351, 1371, 1391, 1411 and 1431 nm
Connector Interface:	LC/UPC
Operating Temperature:	0° C to +70° C
Insertion Loss:	3.0 dB T-3208A or B 2.0 dB T-3204A or B
Bypass Loss OADM	1.5 dB T-3201A or B
Add/Drop Loss OADM:	1.5 dB T-3201A or B
Adjacent channel Isolation:	>30 dB
Other channels:	>45 dB

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Front panel layout and wiring diagram:

