WDM/CWDM/OADM
Passive Optical Mux/Demux & Optical Add/Drop Multiplexers

- Passive optical modules for increasing the capacity of a single optical fibre using wavelength-division multiplexing
- Passive WDM multiplexers for increasing the capacity of a single optical fibre, for up to 2 wavelengths 1310/1550 nm
- Passive CWDM Mux/Demux for increasing the capacity of a single optical fibre, for up to 4 or 8 wavelengths 1471/1491/1511/1531/1551/1571/1591/1611 nm
- Passive optical add/drop multiplexer for one or two wavelengths
WDM/CWDM/OADM

WDM
2 wavelengths per one fiber [nm] 1310, 1550
Isolation 25 dB/45* dB
(*high isolation option)
Maximum insertion loss 0.4 dB
Optical connector LC or FC/PC

CWDM4 MUX/DEMUX modules
4 wavelengths [nm] 1511, 1531, 1551, 1571
optionally any combination from CWDM8
Maximum insertion loss 1.2* dB/1.8 dB
(*ultra low insertion loss option)
Isolation 30 dB adjacent, 50 dB non-adjacent channels
Optical connector LC

CWDM4e MUX/DEMUX modules
4+1 wavelengths [nm] 1511, 1531, 1551, 1571, +1310
optionally any combination from CWDM8
Maximum insertion loss 1.8 dB, (0.8 dB for 1310)
Isolation 30 dB adjacent, 50 dB non-adjacent channels
Optical connector LC

CWDM8 MUX/DEMUX modules
8 wavelengths [nm] 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
Maximum insertion loss 1.8* dB/2.8 dB
(*ultra low insertion loss option)
Isolation 30 dB adjacent, 50 dB non-adjacent channels
Optical connector LC

CWDM8e MUX/DEMUX modules
8+1 wavelengths [nm] 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611, +1310
Maximum insertion loss 2.8 dB, (0.8 dB for 1310)
Isolation 30 dB adjacent, 50 dB non-adjacent channels
Optical connector LC

OADM-1 ADD/DROP module
add and drop 1 selected wavelength from CWDM range 1471-1611 nm
(*option add/drop 1310 nm channel - module OADM-1e)
Maximum insertion loss 1 dB for add/drop channel
1.2 dB for pass through channel
Isolation 30 dB adjacent, 50 dB non-adjacent channels
Optical connector LC

OADM-2 ADD/DROP module
add and drop 2 selected wavelengths from CWDM range 1471-1611 nm
(*option add/drop 1310 nm channel - module OADM-2e)
Maximum insertion loss 1.2 dB for add/drop channel
1.6 dB for pass through channel
Isolation 30 dB adjacent, 50 dB non-adjacent channels
Optical connector LC

WDM-8
Rack mechanical construction for up to eight WDM/CWDM/OADM modules 19"/ETSI/1U height
Power supply NO (passive modules)
Mechanical dimensions
WDM-8 44.5 x 436.6 x 200 mm
WDM/CWDM/OADM modules 17.3 x 90 x 140 mm