



The **CWDM-Insert** is a passive solution to complete the existing ODF assortment. The Module is a patchable, preassembled and manufacturer tested solution which can be mounted in the ODF PatchMODULE and CombiMODULE.

This passive Module is typically used in fiber optic, infrastructures especially in FTTH, CATV and Backbone application. The patch insert is an optimized, flexible solution for Fiber optic Networks.

Coarse WDMs perform two functions. First, they filter the light, ensuring only the desired wavelengths are used. Second, they multiplex (Mux) or demultiplex (DeMux) multiple wavelengths.

Technical Data

Basic housing	Steel DC01, 1.5mm, Powder coated, color Light grey RAL 7035
Front plate	Steel DC01, 1.5mm, Powder coated, color Squirrel grey RAL 7000
IP Protection	IP 20
CWDM insert sizes	1U, 2U, 3U
CWDM wavelengths nm	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
Chanel isolation	20 nm
IL with connectors	3 dB
RL with connectors	45 dB
Min. Isolation	30 dB
Fiber	G.657A / 900um
Recommended max. Power	250mW

Standards

IEC 61300-2-1, IEC 61300-2-9	Vibration- and Shock test operating
IEC 60068-2-64, IEC 60068-2-7	Vibration- and Shock test transport
EN60529	IP Protection
IEC 60068-2-2, IEC 60068-2-1	Dry heat- and Cold
IEC 61300-3-3	Temperature change – and Damp head cyclic
ITU-T-G.694.2	CWDM wavelengths

Mechanical characteristics

High stability and resistance	Steel construction
Tool less mounting	Snap-In solution

Environmental characteristics

Operating temperature	-20°C up to 70°C
Store temperature	-40°C up to 80°C

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Assembling variants

PatchMODULE and CombiMODULE	CWDM-Insert Types	Adapter type
Up to 12 psc. 1U CWDM-Insert	1U 8 Channels	SC

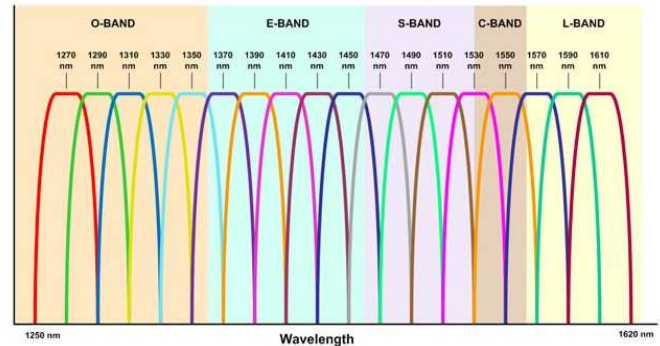
Pictures CWDM-Insert

CWDM-Insert 1U



Additional CWDM-Inserts on request

CWDM Wavelength Grid as Specified by ITU-T G.694.2

**Dimension Width / High / Depth**

219mm x 33.5mm x 130mm

For all wavelengths according ITU-T G.694.2

Adapters variants SC, LC duplex, E2000

Pictures ODF-MODULE for the CWDM-Insert mounting

PatchMODULE



CombiMODULE

**Dimension Width / High / Depth**

230mm x 460mm x 167mm

450mm x 460mm x 190mm

Ordering information

CWDM-Insert-ODF-8 Chanel-sc-z-apc-c-ba9	1	R804320
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