

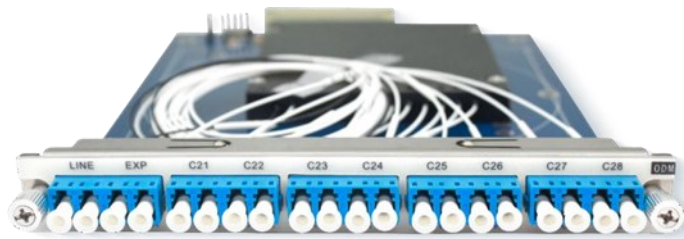


SEPITAM

ONE STEP SMARTER

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SEPITAM
DWDM8-DX-2160-C



TYPE:

Sepitam-DWDM8-DX-2160-C

Sepitam WDM multiplexers, including CWDM and DWDM, support various transmission rates and long-distance coverage while utilizing standard wavelengths. They enable the high-speed transmission of multiple services with optimized fiber utilization. Integration with OTN networks and the deployment of various modules such as EDFA, DCM, OTU, and etc. enhance the efficiency and performance of fiber optic networks, ensuring the quality and speed required by customers.



▶ TYPE: Sepitam-DWDM8-DX-2160-C

▶ Description:

The ODM (Optical Demultiplexer/Multiplexer) board is a CWDM (Coarse Wavelength Division Multiplexing) / DWDM (Dense Wavelength Division Multiplexing) multiplexer launched by Sepitam. It can combine or separate the channels of CWDM or DWDM systems, greatly saving the fiber resources of customers, and the network configuration can be flexibly changed according to customer requirements.

For DWDM systems with a frequency spacing of 100GHz, it supports smooth upgrade to 48 wavelength channels. For DWDM systems with a frequency spacing of 75GHz, it supports smooth upgrade to 64 wavelength channels. For DWDM systems with a frequency spacing of 50GHz, it supports smooth upgrade to 96 wavelength channels. For CWDM systems, it supports smooth upgrade to 18 wavelength channels.

▶ Properties:

- Supports smooth upgrade of CWDM system to 18-channel customization
- Supports smooth upgrade of DWDM system to 96-channel customization.
- Completely passive, no power supply or adjustment required, transparent transmission.
- Supports online capacity expansion and upgrade, simple maintenance, easy operation.
- Supports CWDM and DWDM (100GHz/75GHz/50GHz) applications.
- Supports various application scenarios such as single fiber unidirectional, single fiber bi-directional, and dual fiber bidirectional.
- Low insertion loss, high channel isolation, high reliability and stability, compliant with GR-1221 standard.



► Specifications:

Product Model	Sepitam-DWDM8-DX-2160-C
Wavelength Range	CWDM: 1271~1611nm DWDM: C-Band (100GHZ or 50GHZ)
Channel Spacing	CWDM: 20nm DWDM: 0.8nm/0.6nm/0.4nm
Passband Width	CWDM: $\pm 6.5\text{nm}$ DWDM: 0.1nm
Passband Flatness	<0.5dB@flat-top <0.5dB@gaussian
Channel Insertion Loss	4CH: <1.0dB、6CH: <2.0dB、8CH: <2.5dB 12CH: <2.8dB、16CH: <3.2dB、40CH: <6dB 48CH: <6dB、80CH: <6dB、96CH: <7dB
Adjacent Channel Isolation	>25dB
Non-Adjacent Channel Isolation	>30dB
Polarization Dependent Loss	<0.5dB
Polarization Mode Dispersion	<0.1ps
Return Loss	>45dB
Maximum Input Optical Power	>300mw
Dimensions	Board:156 (W) × 20 (H) × 225 (D) (mm) Chassis:440 (W) × 44 (H) × 230 (D) (mm)
Operating Temperature	-10 °C ~ 50 °C
Storage Temperature	-40 °C ~ 80 °C
Relative Humidity	5% ~ 95% non-condensing

Technical Specification of Sepitam-DWDM8-DX-2160-C



www.sepitam.com

Info@sepitam.com