SEPITAM

ONE STEP SMARTER

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SEPITAM

OLP-C

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TYPE:
Sepitam-OLP-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.

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▶ TYPE: SEPITAM-OLP-C

▶Description:

The OLP optical protection board is a protection system developed by Sepitam for fiber optic line backup. It adopts advanced optical automatic switching modules and is an optical device used for primary and backup optical path switching in the field of fiber optic communication. It can automatically identify the signal status of the primary and backup system optical paths and perform instantaneous switching of the optical path to ensure the normal operation of the primary optical cable in the event of a complete obstruction, thereby improving the service quality of the service provider. The OLP optical line protection board is widely used in primary and backup protection of various trunk lines and in networks requiring various optical path switching. Its advantages lie in the direct utilization of optical signals in the optical line, compact size, and cost-effectiveness, making it widely used in various optical transmission fields.

▶ Properties:

- Supports optical line protection for both single-mode and multimode fiber.
- Supports dual-fiber bidirectional and single-fiber bidirectional protection modes.
- Supports 1+1 (dual-transmitter dual-receiver) and 1:1 (transmitter selection receiver selection) protection modes.
- Wide optical power monitoring range: -50dBm to +25dBm.
- Short optical path protection switching time: <20ms.
- Supports local and remote control.
- Supports SNMP-based unified network management platform.Include CLI (telnet and console), Web, and NetView (graphical interface).

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▶ Specifications:

Model	Sepitam-OLP-C
Wavelength range	Tx1310±50nm and 1550±50nm
Detection of the optical power range	
Tx	+2dBm~-50dBm
Rx	+10dBm~-50dBm
Insertion loss	
1+1 Protection	
Transmitter End	≤4.0dB
Receiver End	≤1.5dB
1:1 Protection	≤1.5dB
Optical power measurement accuracy	≤0.5dB（+20dBm~-50dBm） ≤1.0dB（-40dBm~-50dBm）
Optical power resolution	≤0.01dB
Wavelength-dependent losses	≤0.25dB
Polarization-dependent losses	≤0.1dB
Switching Time	≤20dB
Return Loss	≤45dB
Crosstalk	≤55dB

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▶ Specifications:

Model	Sepitam-OLP-C
Network Management	NetView, Web
Board Dimensions	156 (W) ×20 (H) ×225 (D) (mm)
Environment Requirement	
Operating Temperature	-10~+50°C
Storage Temperature	-40~+80°C
Relative Humidity	5%~95% (non-condensing)
Safety and EMC Compliance	FCC, UL, CE, TUV, CSA standards
Power Consumption	<5W

Technical Specification of Sepitam-OLP-C