

OLP Optical Line Protection

Product overview

Optical Line Protection System (OLP) uses vacant optical fiber from different route to build a backup path. By real-time monitoring the power status in working fiber, it can automatically switch from working fiber to backup fiber when the power value of working fiber lower than a user defined threshold. OLP will provide you a more reliable, flexible and high secure optical transmission network. It is widely used for protecting backbone and important business line.



Product features

- Low insertion loss
- Business non-invasive switch
- Transparent transmission characteristics
- Reduce the loss caused by line fault
- Increase the reliability of the transmission network, improve network quality
- High level of integration by plug-in design, which saves space of cabinet
- Expansion is very convenient

Performance Index

Type Number	OLP-1+1 / OLP-1:1 / OLP1-1
Operating wavelength	1310±50nm and 1550±50nm
Test wavelength	1310 /1550nm
Monitoring Power range	-50 ~ +23 dBm
Insertion loss	OLP-1+1: TX<4.0 dB、RX<1.5dB OLP-1:1: TX<1.5 dB、RX<1.5dB OLP-1:1: TX<1.5 dB、RX<1.5dB
Switching time	<35ms
Return Loss	≥ 45dB
Crosstalk	≥ 55dB
PDL	≤0.05dB
Durability(Life)	>10 ⁷
Fiber Type	SM (9/125um)
Connector form	SC / PC or SC/APC or LC/PC or LC/APC
Power-down Condition	hold in working path or switch to backup path
Monitor port	RJ45, RS-232
Working power	DC: 36~72V AC: 100 ~ 240 V (50/60Hz)
Operating Temperature	-10 ~ + 60 ° C
Storage Temperature	-20 ~ + 75° C
Chassis Type	19-inch standard 1U rack

■Product ordering information

Product code	-	Protection mode	-	Optical fiber interface
OLP		00 : 1-1		LP : LC/PC
		11 : 1:1		SP : SC/PC
		12 : 1:1B		
		22 : 1 + 1		