



F520 1U Rack-Mount OLP (Optical Line Protection)

Part Number: F520-1U-OLPxxx



Overview

The F520-1U-OLPxxx is 1U Rack-Mount Optical Line Protection module of the F520 optical multi-service transmission platform solution. It has optical power monitoring, optical line auto-switching function for automatic protection of a particularly important service channel, enabling a higher availability and reliability for critical mission customers. The F520-1U-OLPxxx monitors the optical power at real time and the receiving end selects primary path to receive optical signals when the primary link is up and switches to secondary path if primary link goes down. It provides 1+1 or 1:1 protection scheme to meet different protection task and is a cost-effective, high-quality management equipment which could be implemented for device configuration, control and maintenance easily.

Applications

- Metro DWDM distance extension
- Long-Haul transmission system
- Optical Line Protection

Features

- Fixed 1U Rack package, LC optical port
- Reduce interrupt time of communication caused by fiber failure remarkably
- Real-Time fiber power monitoring
- Transparent Data Rate transmission
- 1+1 and 1:1 protection scheme available
- Switching time < 15ms (1+1 scheme)
- Support Automatic and Manual Switching
- Support LCD screen with Panel buttons control
- Support SNMP, Web management
- 1+1 Pluggable Redundancy Power supply, AC / DC optional



Specification

Parameters		Technical indicators		Unit
OLP Scheme		1+1	1:1	
Insertion Loss		Tx≤4, Rx≤1.2	Tx≤1.2, Rx≤1.2	dB
Switching Time		≤ 15	≤ 30	ms
Operating Wavelength		1260 ~ 1650		nm
Monitoring Power Range		-50 ~ +25		dBm
Monitoring Power Accuracy		± 0.25		dB
Monitoring Power Resolution		± 0.01		dB
Durability(Life) Times		≥ 10 ⁷		
Power Supply	AC	100 ~ 240		V
	DC	-48		
Power Consumption		≤ 15	≤ 20	W
Size	Fixed 1U	442(W) x 250(D) x 44(H)		mm
Operating Temperature		-10 ~ +60		°C
Storage Temperature		-40 ~ +85		°C
Relative Humidity		5 ~ 95		RH%

Ordering Information

Part No.	Function	Switching Time(ms)	Insertion Loss(dB)
F520-1U-OLP1+1	Dual Signal Sending Selected Signal Receiving	≤15	Tx≤4, Rx≤1.2
F520-1U-OLP1:1	Selected Signal Sending Selected Signal Receiving	≤30	Tx≤1.2, Rx≤1.2