

ROC3-OLP35 and ROC3-OLP35S

Optical 1:1 protection cards for duplex and simplex fiber circuits



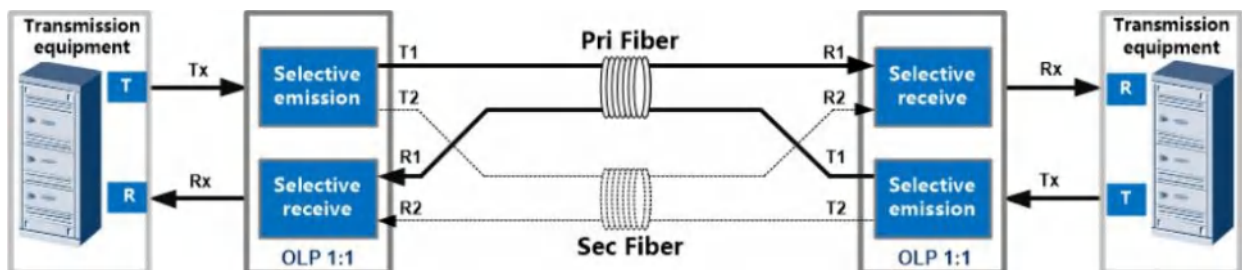
ROC3-OLP35 and ROC3-OLP35S are perfect complements for the ROC3 optical transport platform. Cards provide optical protection for either duplex (OLP35) or simplex (OLP35S) fiber circuits, independent to any protocol or telecom transmissions and strictly based on the physical link of the optical fiber. The ROC3 OLP cards provide very fast fault protection and employ 1:1 optical protection for minimum insertion loss, covering any wavelengths 1260nm to 1620nm. The OLP cards also have their own internal laser source used for probing the fiber path and automatically restoring primary optical fiber circuit when deemed operational.

Features

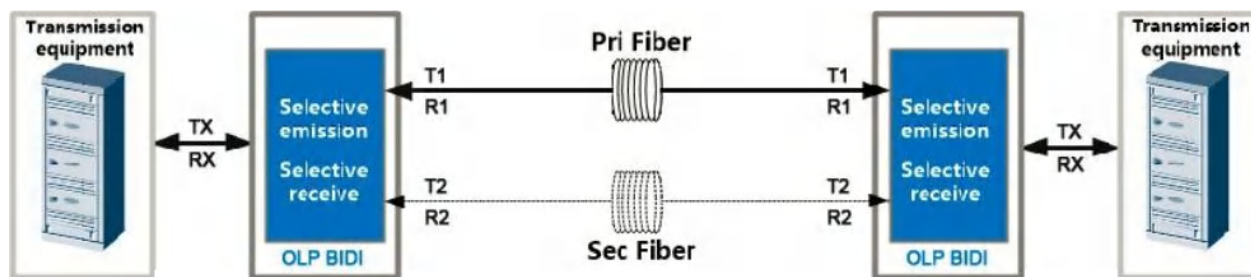
- Modular design, compact size, hot-pluggable and hot-swappable
- Wide wavelength coverage 1260~1620nm, very low IL, low crosstalk and fast switching speed
- Protocol transparent, high stability and reliability, automatic and manual protection modes, GUI configurable
- 1:1 protection for lowest possible insertion loss, available for duplex and simplex circuits

Applications

- Optical Line Transmission Protection
- Network Route Protection



Drawing of a duplex ROC3-OLP35 1:1 optical protection application



Drawing of a simplex BiDi ROC3-OLP35S 1:1 optical protection application

Specifications

Parameters	Unit	ROC3-OLP35	ROC3-OLP35S
Dimension	mm	160×200×21 (WxDxH)	
Maximal Power Consumption	W	1	
Wavelength Range	nm	1260 ~ 1650	
Test Wavelength	nm	1310 / 1550	
Protecting Ways		1:1	1:1
Insertion Loss	dB	TX<1.5 RX<1.5	Tx ≤ 1.5 Rx ≤ 1.5
Switching Time	ms	≤25	≤35
Crosstalk	dB	SM ≥ 50	SM ≥ 55
Return Loss	dB	SM ≥ 45	
PDL	dB	≤ 0.20	
WDL	dB	≤ 0.30	
Power Monitoring Range	dBm	-40 to 23	
Operating Temperature	℃	-5 ~ +55	
Storage Temperature	℃	-20 ~ +70	
Relative Humidity		5% ~ 95% (non-condensing)	

Ordering Information

Model	Description
ROC3-OLP35	optical card 1:1 protection for duplex optical fiber SM circuits, 1310/1550nm, LC/UPC connectors
ROC3-OLP35S	optical card 1:1 protection for simplex optical fiber SM circuits(BiDi), 1310/1550nm, LC/UPC connectors