

Optical Bypass Protection

Optical Bypass Protection (OBP) Module is a kind of intelligent switching system applied in the field of optical transmission, which can automatically overpass the broken-down network nodes. When the network node is under the condition of breaking down, it can switch to bypass link to avoid the cut down of SDH network, which can make sure the whole network in a complete running status.



Feature

- Indicator light display the status of the optical line interface
- Set switch threshold power and alarm threshold power by LCD in the equipment or Network management
- Two working mode: automatically return mode and non-automatically return mode.
- Receiver's switching time has automatic mode, manual mode and remote mode.
- Automatic switching time lower than 20ms.
- 1+1 power supply backup system, hot plugging support.
- Network management based on SNMP, CLI, WEB optional

Specification

Wavelength range	1270 to 1610 nm
Insertion loss	≤1.2dB
Polarization dependent loss	<0.2dB
Wavelength dependent loss	<0.3dB
Switching time	<5ms
Switch cross talk	>55 dB
Return loss	>45 dB
Fiber type	Corning SMF-28,
Connectors	LC/PC
Switch type	Non-latching
Operating current	80 ~ 120mA
Operating voltage	4.5 ~ 5.5V
Operating Temperature	-5 ~ 60 °C
Storage Temperature	-30 ~ 80 °C