

Optical 1x2 Tx/Rx Switch Card Specifications

Key Features

- Saving protection resource
- Short response time

Applications

- Protection switching
- Network switching
- Restoration and reconfiguration
- Performance monitoring
- Fiber optic maintenance and testing
- Optical add/drop switching

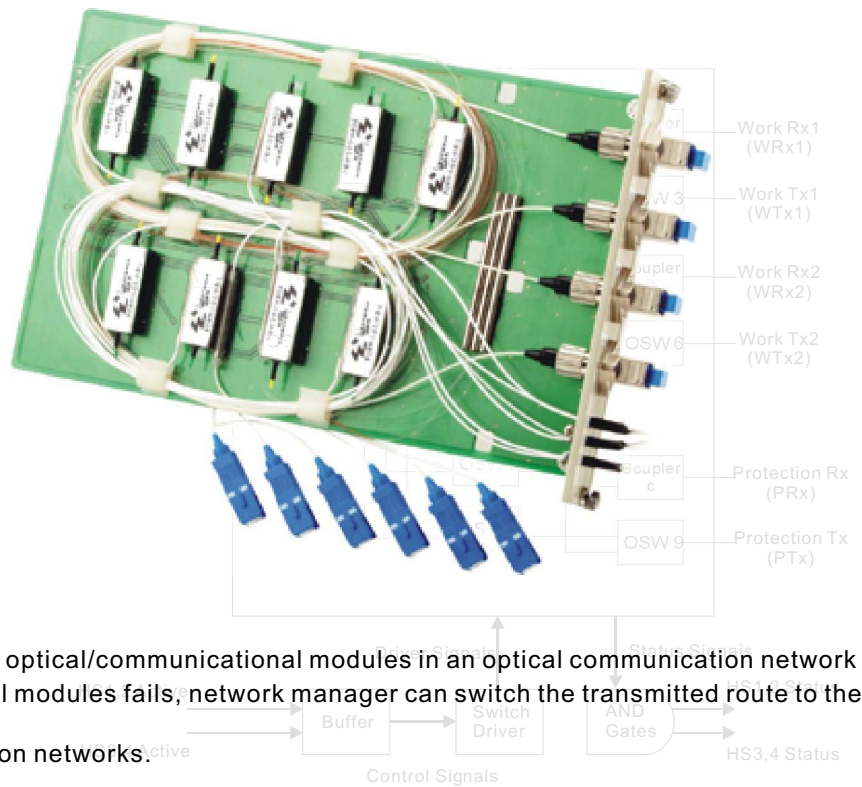
Description

1.As a Protection Module:

- Using this switch card along with other optical/communicational modules in an optical communication network ⇒ If one of other optical/communicational modules fails, network manager can switch the transmitted route to the backup one through this switch card.
- Application area: optical/communication networks.

2.For Testing Purpose:

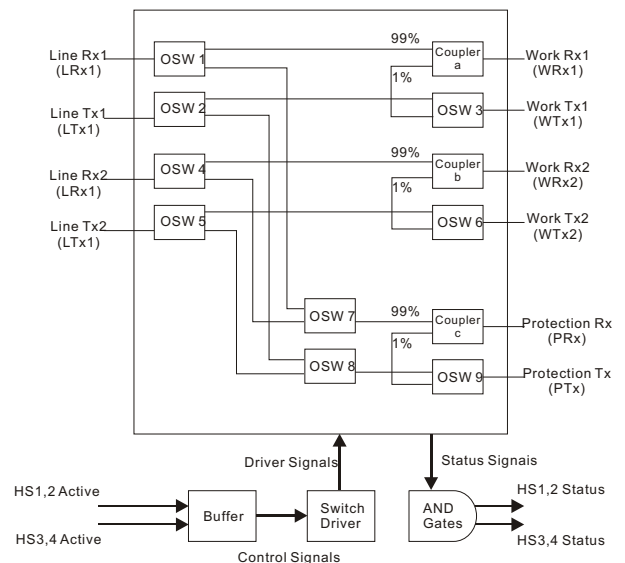
- In a testing system, we avoid to switch the ON/OFF buttons all the time and avoid the connector pull/plug actions as many as possible ⇒ Using this switch card module as an inserted switch to avoid switching the testing instruments or under testing devices directly.
- Application area: testing systems, laboratories, schools.



Specification

PARAMETERS	1x2 Tx/Rx Switch Card
Working Wavelength(nm)	1280-1340 and/or 1500 -1600
Switching Time(msec)	≤10
Insertion Loss between LRx1,2/WRx1,2 and LTx1,2/WTx1,2,(dB)	≤2
Insertion Loss between LRx1,2/PRx and LTx1,2/PTx(dB)	≤3
Insertion Loss between WRx1,2/WTx1,2 and PRx/PTx(dB)	≤25
Back Reflection(dB)	≤-45
Cross Talk(dB)	≤-80
Repeatability (LRx1,2/WRx1,2 and LTx1,2/WTx1,2)(dB)	≤0.1
Repeatability (LRx1,2/PRx and LTx1,2/PTx)(dB)	≤0.15
PDL(dB)	≤0.1
Durability(cycles)	>10 ⁷
Working Temperature(C)	0 ~50
Relative Humidity(% RH)	5 ~85
Connector Types	FC/APC or SC/APC or SC/PC
Switching Voltage	5VDC
Dimension (LmmxWmmxHmm)	200x180x20

Sketch of Optical 1x2 Tx/Rx Switch Card



* : the upper port of those OSWs used in this card is Ch1, and the lower one is Ch2.