## Data Sheet: F-OS

The F-OS optical switch is used for system redundancy and backup. With the use of an optical switch, a redundant signal can be routed to an
 active path in the event of a fault.
The F-OS optical switch features low insertion loss which is typically 0.6 dB .
The unit offers three types of switching 1X1, 1x2, $2 \times 1$, or $2 \times 2$.
A front panel LCD provides system status and provides a means of programing the switch.
The F-OS can also be dynamically configured for CADM and OXC systems.

## Application Drawing :



## Technical Specifications

| Performance | Index |  |  |
| :---: | :---: | :---: | :---: |
| Work wavelength | 1260~1360nm, | Polarization dependent loss | 0.1 dB |
|  | 1510~1610nm, 1310nm | Repeatability | $\leq \pm 0.02 \mathrm{~dB}$ |
| Input power range | $-30 \sim-20 \mathrm{dBm},-10 \sim+10 \mathrm{dBm}$, | Switch time | 10 ms |
|  | +10 ~ +30dBm | Voltage | 135~250 VAC |
| Total insertion loss | 2.0 dB | Optical connector | FC/APC \& SC/APC |
| Switch loss | $<1.0 \mathrm{~dB}$ (type, $\leq 0.8 \mathrm{~dB}$ ) | Transmission power | 500 mW |
| Splitter loss | $<0.5 \mathrm{~dB}$ | Casing Size | $19 \times 1.75 \times 14.2$ " |
| Connector loss | $<0.5 \mathrm{~dB}$ |  |  |
| Echo loss | 55 dB |  |  |

