

M×N (M≤4, N≤64) Optical switch module

Optical switch is a kind of device with the ability of the optical channels' switching. Among optic fiber transmission system, it is used in optical channels' control, LAN, light source / detector change, and protect change of network etc.. Test system in optical fiber, it is used in optical fiber and optical fiber device test, network test, open-air optical cable test and optical fiber sensing.

Features:

- Up to 128 Channels
- Low Loss, High Reliability
- Parallel interface (TTL)
- Modularizing Design



Applications:

- Multi-monitoring in Optical
- Auto-Switching of LAN multi-
- Laser source/detector and multi-
- Sensing dynamic monitoring system
- Testing of fiber optical Component
- Network or field projects in optical system



Optical Specifications:

| Type | SUN-FOSMXN | |
|-------------------------------|-----------------------|--------------------------|
| | Wavelength Range (nm) | 532 ~ 980 |
| Operation Wavelength (nm) | 650/780/850/980 | 1310/1490/1550/1625/1650 |
| Insertion Loss (dB) | Typ.: 1.0 Max.: 1.5 | |
| Return Loss (dB) | SM≥50; MM≥30 | |
| Cross-Talk (dB) | ≤-55 | |
| PDL (dB) | ≤0.05 | |
| Wavelength Relative Loss (dB) | ≤0.25 | |
| Repeatability (dB) | ≤±0.02 | |
| Switching Time (ms) | ≤10 | |
| Operating life | >10 ⁷ time | |
| Transmission Power (mW) | ≤500 | |
| Operation Temp. (°C) | -5 ~ +55 | |
| Storage Temp. (°C) | -20 ~ +70 | |
| Power (V) | +5 | |

Ordering Information: SUN-FOSMXNABC-DE-F

| M,N | A | B | C | D | E | F |
|--------------------|--------------|---|--|--|---------------------|--|
| Channel | Mode | Wavelength (nm) | Fiber type | Fiber diameter | Fiber Length | Connector |
| M,N = 1,2,3.... | S:SM M:MM | 85: 850 13: 1310 14: 1490 15: 1550 162: 1625 165: 1650 1315:1310/1550 X: Other | 5:50/125 6:62.5/125 9: 9/125 X: Other | 250:250um 900:900um; 2:2.0mm 3: 3.0mm X: Other | L1:1.0m X: Other | None FC: FC/PC AFC: FC/APC SC: SC/PC ASC: SC/APC ST: ST/PC AST: ST/APC LC: LC/PC ALC: LC/APC X: Other |

Note: For the necessity of improvement, the material contained in this document is subject to change without notice.



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