

Features

- Compact Size
- Fast Switch Speed
- Low Insertion Loss & PDL
- Wide Operating Wavelength Range
- High Reliability & Stability

Applications

- Network Monitor System
- Remote Fiber Testing System
- Module & System Integration
- Instrumentation



Specifications

Single Mode

Parameters		Unit	XH-MOSW 1×N (N≤64)							
Working Wavelength		nm	O band: 1290~1330 C band: 1530~1570 L band: 1570~1610 L+ band: 1625~1650							
Testing Wavelength		nm	1310/1550/1625/1650							
Insertion Loss		dB	1×2	1×4	1×8	1×16	1×24	1×32	1×48	1×64
	@CWL Single-band		0.6	0.8	1.0	1.3	1.5			
	@CWL Dual-band		0.8	1.0	1.2	1.5	1.7			
WDL		dB	≤0.3							
TDL		dB	≤0.4 (2≤N≤16), ≤0.6 (17≤N≤64)							
PDL		dB	≤0.2							
Return Loss		dB	≥50							
Crosstalk		dB	≥50 (2≤N≤32), ≥45 (33≤N≤64)							
Repeatability		dB	≤±0.05							
Switching Time		ms	≤8							
Durability		times	≥10 ⁹							
Operating Voltage		V	60							
Switching Mode			Non-Latching							
Input Optical Power		mW	≤500							
Operating Temp.		°C	-20 ~ +85							
Storage Temp.		°C	-40 ~ +85							
Operating humidity		%	5 ~ 95							
Dimension		mm	Φ5.5×42(±0.1) (2≤N≤16) Φ6.0×47(±0.1) (17≤N≤64)							

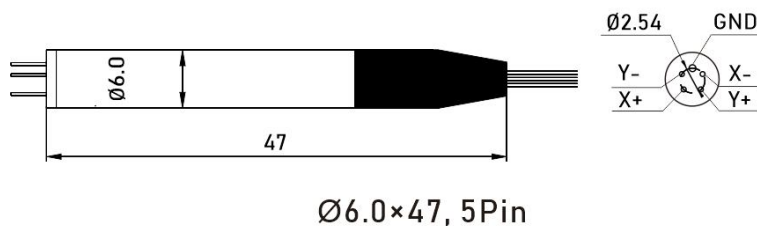
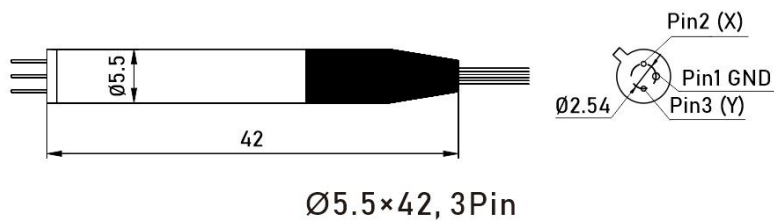
1. Within operating temperature and all SOP. 2.Excluding connector.
3.WDL is measured in a ±20nm range at 23°C.

Multi-Mode

Parameters		Unit	XH-MOSW 1×N (N≤16)			
Working Wavelength		nm	850±30, 1310±30			
Testing Wavelength		nm	850/1310			
Insertion Loss		dB	1×4	1×8	1×12	1×16
	@850 or 1310		0.8			1.0
	@850 &1310		1.0			1.2
WDL		dB	≤0.3			
TDL		dB	≤0.4			
PDL		dB	≤0.2			
Return Loss		dB	≥30			
Crosstalk		dB	≥30			
Repeatability		dB	≤±0.05			
Switching Time		ms	≤8			
Durability		times	≥10 ⁹			
Operating Voltage		V	60			
Switching Mode			Non-Latching			
Input Optical Power		mW	≤500			
Operating Temp.		°C	-20 ~ +85			
Storage Temp.		°C	-40 ~ +85			
Operating humidity		%	5 ~ 95			
Dimension	mm	Φ5.5×42(±0.1) (2≤N<8)				
		Φ6.0×47(±0.1) (8≤N≤16)				

1.Within operating temperature and all SOP.
2.Excluding connector.
3.WDL is measured in a ±20nm range at 23°C.

Dimension(mm)



Ordering Information: XH-MOSW-1×N-A-B-C-D

A	B	C	D
Wavelength	Fiber Type	Fiber Dimension	Fiber Length
C:C band	SM: Single Mode	025: Φ0.25mm	05: 0.5m
L:L band	M1:Multi-Mode 50/125	X: other	10: 1.0m
O:O band	M2:Multi-Mode 62.5/125		15: 1.5m
O+C:O+C band	X:other		X: other
C+L:C+L band			
X:other			