

## 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



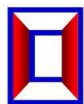
## Compliance

- Telcordia GR-1221
- Telcordia GR-1073

## Technical Parameter

### Single Mode

Parameters		Unit	MFSW 1xN (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	1x2	1x4	1x8	1x16	1x24	1x32	1x48	1x64
	@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)							

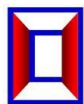


PDL	dB	$\leq 0.2$
Return Loss	dB	$\geq 50$
Crosstalk	dB	$\geq 50$ ( $2 \leq N \leq 32$ ), $\geq 45$ ( $33 \leq N \leq 64$ )
Repeatability	dB	$\leq \pm 0.05$
Switching Time	ms	$\leq 8$
Durability	times	$\geq 10^9$
Operating Voltage	V	60
Switching Mode		Non-Latching
Input Optical Power	mW	$\leq 500$
Operating Temp.	°C	-20 ~ +85
Storage Temp.	°C	-40 ~ +85
Operating humidity	%	5 ~ 95
Dimension	mm	$\Phi 5.5 \times 42 (\pm 0.1)$ ( $2 \leq N \leq 16$ ) $\Phi 6.0 \times 47 (\pm 0.1)$ ( $17 \leq N \leq 64$ )

1. Within operating temperature and all SOP.
2. Excluding connector.
3. WDL is measured in a  $\pm 20\text{nm}$  range at  $23^\circ\text{C}$ .

### Multi-Mode

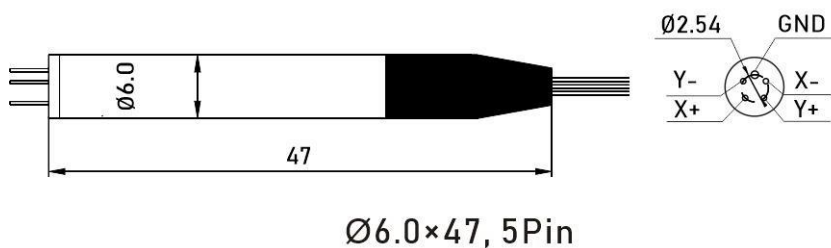
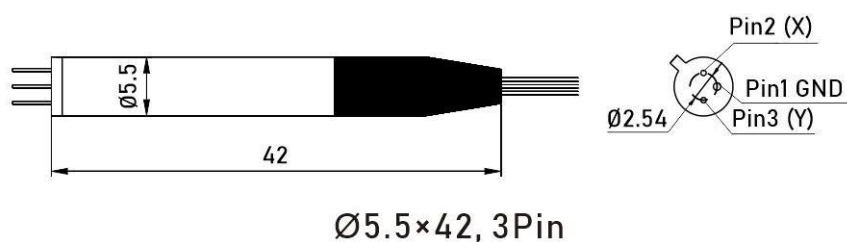
Parameters		Unit	MFSW 1xN ( $N \leq 16$ )			
Working Wavelength		nm	850 $\pm$ 30, 1310 $\pm$ 30			
Testing Wavelength		nm	850/1310			
Insertion Loss		dB	1x4	1x8	1x12	1x16
	@850 or 1310		0.8			1.0
	@850 & 1310		1.0			1.2
WDL		dB	$\leq 0.3$			
TDL		dB	$\leq 0.4$			
PDL		dB	$\leq 0.2$			
Return Loss		dB	$\geq 30$			
Crosstalk		dB	$\geq 30$			

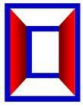


Repeatability	dB	$\leq \pm 0.05$
Switching Time	ms	$\leq 8$
Durability	times	$\geq 10^9$
Operating Voltage	V	60
Switching Mode		Non-Latching
Input Optical Power	mW	$\leq 500$
Operating Temp.	$^{\circ}\text{C}$	$-20 \sim +85$
Storage Temp.	$^{\circ}\text{C}$	$-40 \sim +85$
Operating humidity	%	5 ~ 95
Dimension	mm	$\Phi 5.5 \times 42 (\pm 0.1) (2 \leq N < 8)$ $\Phi 6.0 \times 47 (\pm 0.1) (8 \leq N \leq 16)$

1. Within operating temperature and all SOP.
2. Excluding connector.
3. WDL is measured in a  $\pm 20\text{nm}$  range at  $23^{\circ}\text{C}$ .

## Dimension(mm)





**Ordering Information: HC-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			