



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

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

Multi-Mode

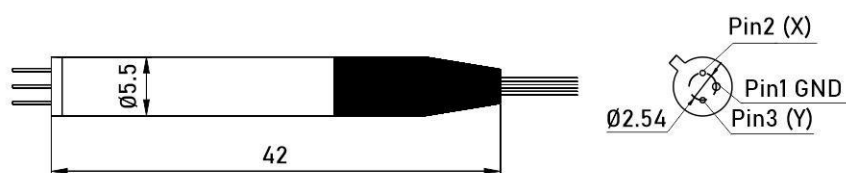
Parameters		Unit	MFSW 1xN ($N \leq 16$)			
Working Wavelength		nm	$850 \pm 30, 1310 \pm 30$			
Testing Wavelength		nm	850/1310			
Insertion Loss		dB	1x4	1x8	1x12	1x16
	@850 or 1310		0.8			1.0
	@850 & 1310		1.0			1.2
WDL		dB	≤ 0.3			
TDL		dB	≤ 0.4			
PDL		dB	≤ 0.2			
Return Loss		dB	≥ 30			
Crosstalk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



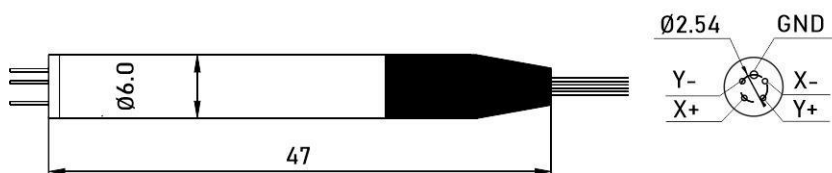
Repeatability	dB	$\leq \pm 0.05$
Switching Time	ms	≤ 8
Durability	times	$\geq 10^9$
Operating Voltage	V	60
Switching Mode		Non-Latching
Input Optical Power	mW	≤ 500
Operating Temp.	$^{\circ}\text{C}$	$-20 \sim +85$
Storage Temp.	$^{\circ}\text{C}$	$-40 \sim +85$
Operating humidity	%	5 ~ 95
Dimension	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°C .

Dimension(mm)



$\Phi 5.5 \times 42, 3\text{Pin}$



$\Phi 6.0 \times 47, 5\text{Pin}$



Ordering Information: HC-MEMSOSW-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			