

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



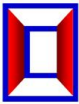
Compliance

- Telcordia GR-1221
- Telcordia GR-1073

Specifications

Single Mode

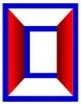
Parameters		Unit	MFSW 1xN (N≤64)							
Working Wavelength		nm	O band: 1290~1330 C band: 1530~1570 L band: 1570~1610 L+ band: 1625~1650							
Testing Wavelength		nm	1310/1550/1625/1650							
Insertion Loss		dB	1x2	1x4	1x8	1x16	1x24	1x32	1x48	1x64
	@CWL Single-band		0.6	0.8	1.0	1.3	1.5			
	@CWL Dual-band		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	≤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)
<p>1. Within operating temperature and all SOP. 2. Excluding connector. 3. WDL is measured in a ±20nm range at 23°C.</p>		

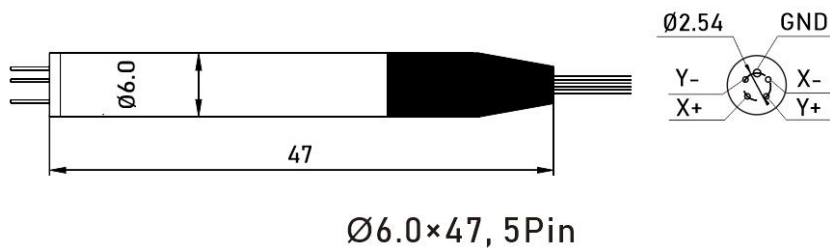
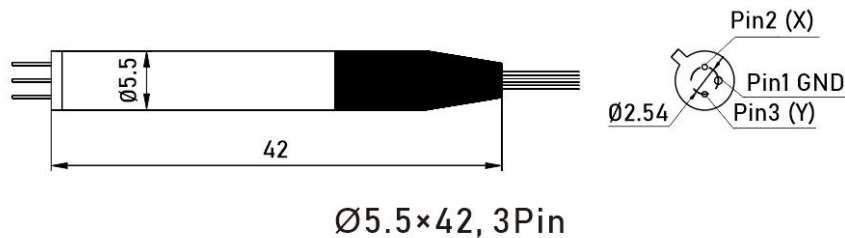
Multi-Mode

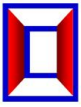
Parameters		Unit	MFSW 1×N (N≤16)			
Working Wavelength		nm	850±30, 1310±30			
Testing Wavelength		nm	850/1310			
Insertion Loss		dB	1×4	1×8	1×12	1×16
	@850 or 1310		0.8			1.0
	@850 & 1310		1.0			1.2
WDL		dB	≤0.3			
TDL		dB	≤0.4			
PDL		dB	≤0.2			
Return Loss		dB	≥30			
Crosstalk		dB	≥30			



Repeatability	dB	$\leq \pm 0.05$
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 ~ +85
Storage Temp.	$^{\circ}\text{C}$	-40 ~ +85
Operating humidity	%	5 ~ 95
Dimension	mm	$\Phi 5.5 \times 42 (\pm 0.1)$ ($2 \leq N < 8$)
		$\Phi 6.0 \times 47 (\pm 0.1)$ ($8 \leq N \leq 16$)
<p>1. Within operating temperature and all SOP. 2. Excluding connector. 3. WDL is measured in a $\pm 20\text{nm}$ range at 23°C.</p>		

Dimension(mm)





 **Ordering Information: HC-MFSW-1xN-A-B-C-D**

A	B	C	D
Wavelength	Fiber Type	Fiber Dimension	Fiber Length
C:C band	SM: Single Mode	025: Φ 0.25mm	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			