



Features

- Ultra-Compact Structure
- Fast Switch Speed
- Low Insertion Loss & PDL
- High Reliability & Stability

Applications

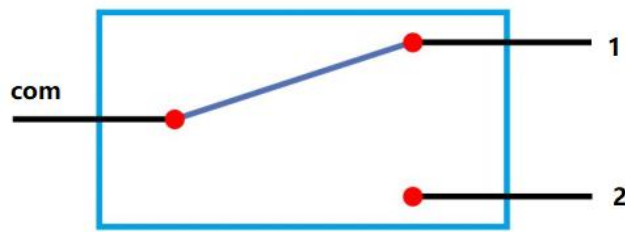
- Network Monitor System
- Protection
- PON Network
- Instrumentation

Compliance

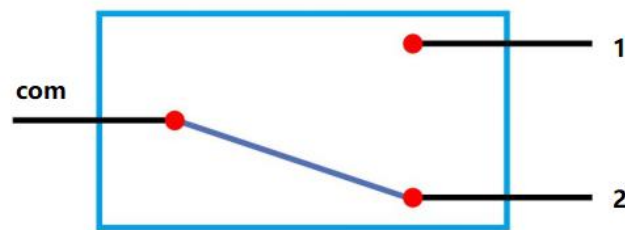
- Telcordia GR-1221
- Telcordia GR-1073



Optical Route



State A



State B



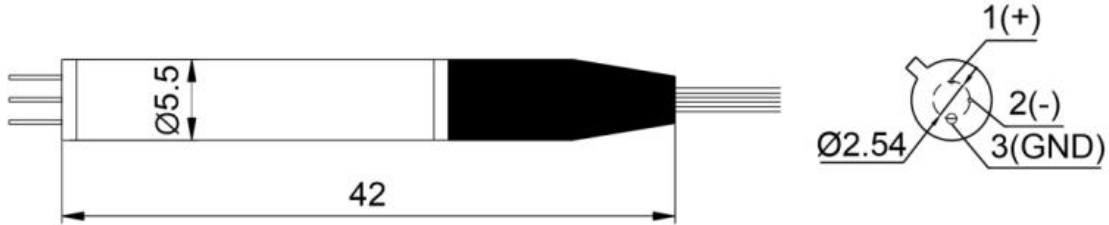
Specifications

Parameters	Unit	MFSWS-1×2
Operating Wavelength	nm	1060±50
Insertion Loss	dB	≤ 1.0
WDL	dB	≤ 0.3
TDL	dB	≤ 0.3
PDL	dB	≤ 0.1
Return Loss	dB	≥ 50
Crosstalk	dB	≥ 50
Repeatability	dB	≤ ±0.02
Switching Time	ms	≤ 8
Durability	times	≥ 10 billion
Operating Voltage	V	≤ 8
Switching Mode	-	Non-Latching
Fiber Type	-	Corning HI1060
Optical Power	mW	≤ 500
Operating Temperature	°C	-20 ~ +85
Storage Temperature	°C	-40 ~ +85
Operating humidity	%	5 ~ 95
Dimension	mm	Φ5.5×42

Note: 1. Within operating temperature and all SOP.
2. Excluding connector, and add 0.3dB IL for a pair of connectors.



Dimension(mm)



Pin Configuration

Optical Route	State	1(+)	2(-)	3(GND)
COM-1	A	0V	GND	GND
COM-2	B	5 ~ 8V	GND	GND

Ordering Information: HC-MEMS-1x2-A-B-C-D

A	B	C	D
Fiber Type	Wavelength	Fiber Dimension	Fiber Length
S:SingleMode X:other	C:C Band L:L Band O:O Band D:C+L Band X:other	25:Φ0.25mm X:other	05:0.5m 10:1.0m X:other