

# 1xN Multi-Channel Optical Switch

## Features

- Compact Size
- Fast Response Time
- Low Insertion Loss

## Applications

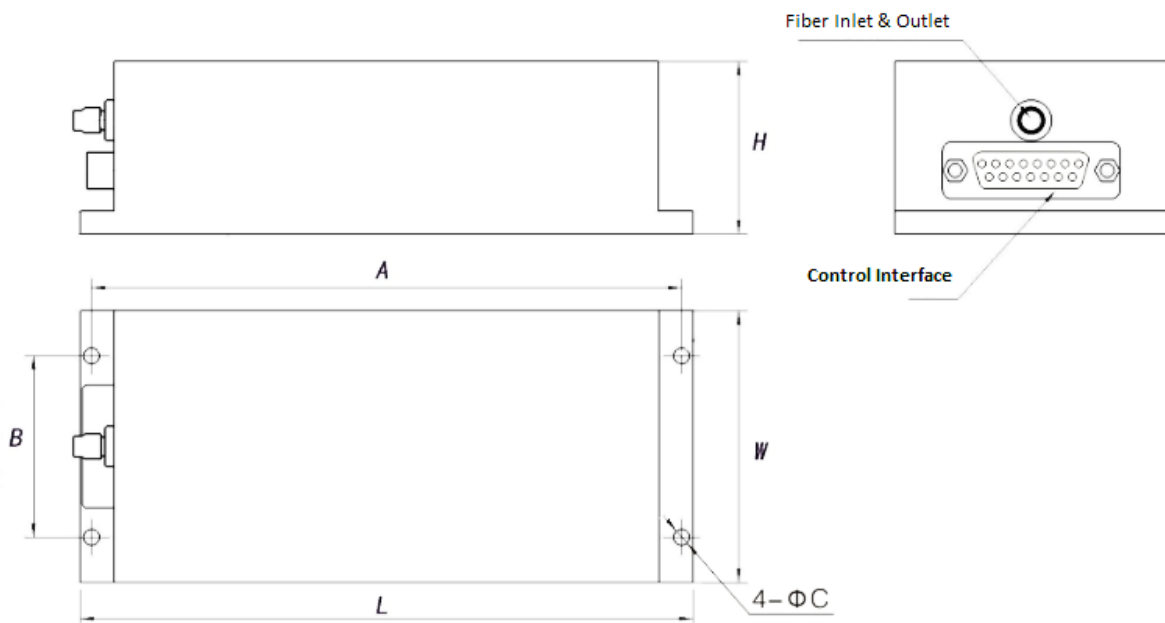
- Protection Switching
- Reconfiguration
- Optical Subsystems
- Array Integration

## Specifications

Parameters	Unit	A Type	B, C Type
Operation Wavelength	nm	850, 1260~1650	
Insertion Loss	dB	≤0.8	≤1.0
Polarization Dependent Loss	dB	≤0.05	
Return Loss	dB	≥45 (SMF)	≥30 (MMF)
Cross Talk	dB	≥55	
Switch Time	ms	≤10 (Adjacent Channel Switching)	
Repeatability	dB	±0.02	
Durability	Times	10 <sup>7</sup>	
Fiber Type		SMF or MMF	
Power Supply Voltage	V	48V DC or 230V AC	
Transmission Power	mW	≤500	
Control interface		Ethernet or RS232	
Operating Relative Humidity	%	5~90	
Operating Temperature	°C	-20 ~ +60	
Storage Temperature	°C	-40 ~ +70	

## Dimension (mm)

### A Type (Module)



Channels	Dimensions			Hole Position		
	L	W	H	A	B	C
N≤8	135	60	35	130	40	3.5
				127	52	3.5
N≤32	184	76	60	174	52	4.3
N≥33	184	80	65	174	52	4.3
65≤N≤128	184	140	130	174	100	4.3

**B Type (Rack Mounted)**

19 Inch Rack Mounted (1U, 2U, 3U)

**C Type (Bench Top)**

Channels	Dimensions
N≤8	260x288x115 or 220x238x105
N≤32	260x288x115
N≥33	The size depends on the type of connectors. For details, contact OPNETI

\*Below picture is for N≤8 (Bench Top: 220x238x105mm)



**Ordering Information**

OSW- ①①①-②②②-③-④④④-⑤⑤⑤⑤⑤⑤-⑥-⑦⑦-⑧⑧-⑨

①	Port Type	1xN;
②	Wavelength	850; 1310; 1550; 1315=1310/1550;
③	Package Type	A=Module; B=Rack Mounted; C=Bench Top;
④	Pigtail Type	900=900um Loose Tube; 2000=2mm Loose Cable; 3000=3mm Loose Cable;
⑤	Fiber Type	1=SMF-28; 2=50/125 MMF; 3=62.5/125 MMF;
⑥	Fiber Length	1= 1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑧	Electric Drive	48=48V DC; 220=220V AC;
⑨	Interface	E=Ethernet; R=RS232;