






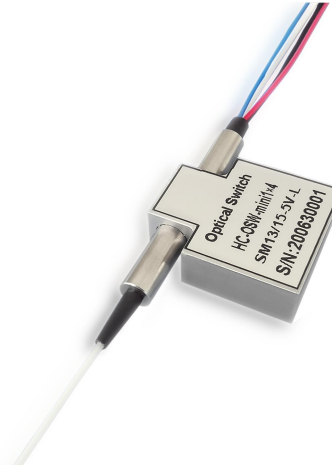


Feature

-  Compact structure
-  Low IL
-  Fast switch time

Application

-  PON Network
-  Protection
-  Instrumentation
-  Network monitor



Specifications

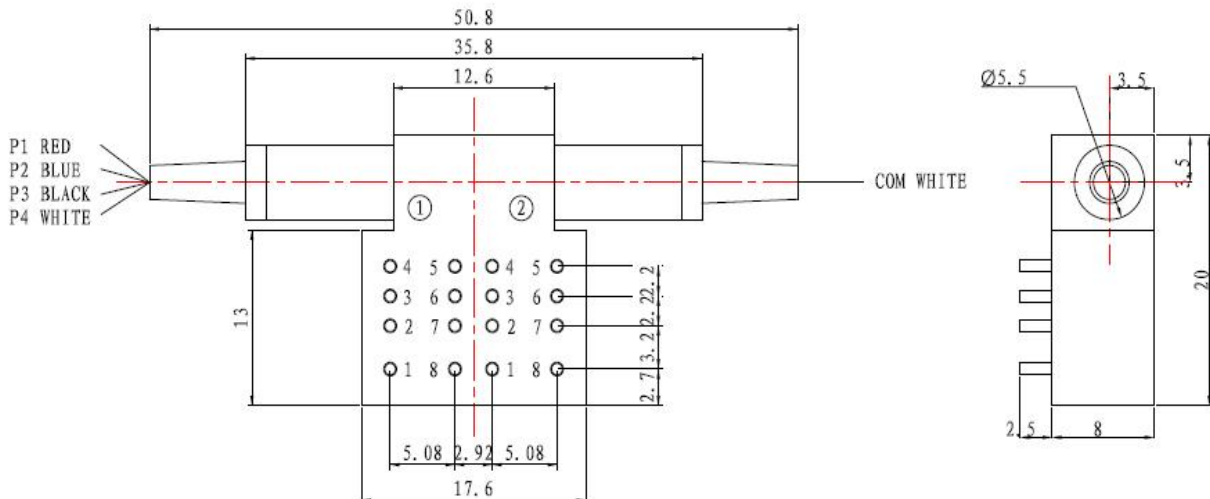
Parameters		Unit	Specifications
Operating Wavelength		nm	1260~1620 for SM, 850~1300 for MM
Insertion Loss	Mini 1x3	dB	≤1.0 (typical: 0.8)
	Mini 1x4	dB	
Wavelength Dependent Loss		dB	≤0.25
Temperature Dependent Loss		dB	≤0.2
Polarization Dependent Loss		dB	≤0.05
Return Loss		dB	SM≥50, MM≥30
Crosstalk		dB	SM≥55, MM≥35
Repeatability		dB	±0.02
Switch Time		ms	≤8
Durability		times	≥10 million
Operating Voltage		V	3.0 or 5.0
Optical Power		mw	≤500
Operating Temperature		°C	-5~+70
Storage Temperature		°C	-40~+85
Operating Humidity		°C	5~95
Dimension		mm	L20xW17.6xH8.0(±0.2)
Note: 1.Within operating temperature and all SOP. 2.Excluding connector, and add 0.3dB IL for a pair of connectors.			

Pin Configurations

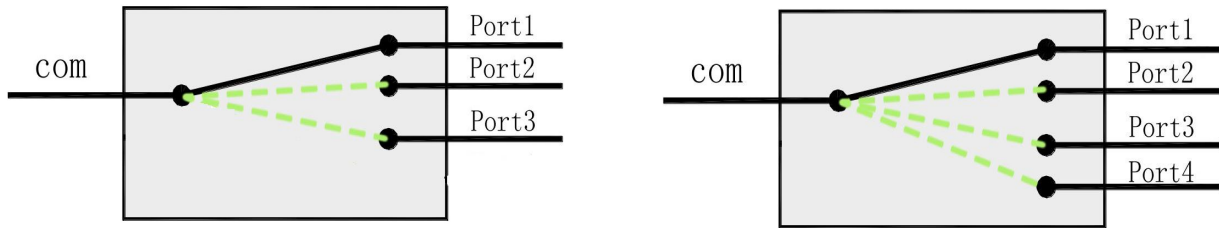
Type	State	Optical Route	Electric Drive				State Sensor			
			①		②		①		②	
Mini1x3			Pin1	Pin8	Pin1	Pin8	Pin 2-3 Pin 6-7	Pin 3-4 Pin 5-6	Pin 2-3 Pin 6-7	Pin 3-4 Pin 5-6
Latching	A	COM-Port1	GND	V+	GND	V+	Close	Open	Close	Open
	B	COM-Port2	V+	GND	GND	V+	Open	Close	Close	Open
	C	COM-Port3	GND	V+	V+	GND	Close	Open	Open	Close
Non-latching	A	COM-Port1	-	-	-	-	Close	Open	Close	Open
	B	COM-Port2	V+	GND	-	-	Open	Close	Close	Open
	C	COM-Port3	-	-	V+	GND	Close	Open	Open	Close

Type	State	Optical Route	Electric Drive				State Sensor			
			①		②		①		②	
Mini1x4			Pin1	Pin8	Pin1	Pin8	Pin 2-3 Pin 6-7	Pin 3-4 Pin 5-6	Pin 2-3 Pin 6-7	Pin 3-4 Pin 5-6
Latching	A	COM-Port1	GND	V+	GND	V+	Close	Open	Close	Open
	B	COM-Port2	V+	GND	GND	V+	Open	Close	Close	Open
	C	COM-Port3	GND	V+	V+	GND	Close	Open	Open	Close
	D	COM-Port4	V+	GND	V+	GND	Open	Close	Open	Close
Non-latching	A	COM-Port1	-	-	-	-	Close	Open	Close	Open
	B	COM-Port2	V+	GND	-	-	Open	Close	Close	Open
	C	COM-Port3	-	-	V+	GND	Close	Open	Open	Close
	D	COM-Port4	V+	GND	V+	GND	Open	Close	Open	Close

Dimension(mm)



 **Optical Route**



 **Electrical Specification**

Type	Voltage	Current	Resistance
5V Latching	4.5~5.5V	36~44mA	125Ω
5V Non-latching	4.5~5.5V	26~32mA	175Ω
3V Latching	2.7~3.3V	54~66mA	50Ω
3V Non-latching	2.7~3.3V	39~47mA	70Ω

 **Ordering Information: HC-OSW-MINI1×4-A-B-C-D-E-F-G**

A	B	C	D	E	F	G
Type	Test Wavelength	Type	Fiber Type	Fiber Dimension	Fiber Length	Connector
Mini 1x3	850: 850nm	3L: Latching	SM: Single Mode	025: Φ0.25mm	05: 0.5m	00: None
Mini 1x4	1310: 1310nm	3N: Non-latching	M1: Multi-mode 50/125	09: Φ0.9mm	10: 1.0m	FP: FC/UPC
	1550: 1550nm	5L: Latching	M2: Multi-mode 62.5/125	X: other	15: 1.5m	FA: FC/APC
	D: 1310/1550nm	5N: Non-latching	X: other		X: other	SP: SC/UPC
	X: other					SA: SC/APC
						LP: LC/UPC
						LA: LC/APC
						X: other