

Model Variations



Unit: mm

2x2: Bypassing for Add/Drop applications

Parameter		Unit	1 x 2	2 x 2	Notes	
Insertion Loss	Max.	dB	0.8	1.0		
Repeatability	Max.	dB	± 0.02			
Crosstalk	Min.	dB	60			
Optical Input Power	Max.	mW	100			
Return Loss	Min.	dB	50			
PDL	Max.	dB	0.15			
Switch Time	Max.	msec	10			
Electric Power to Switch	Max.	mW	200		No holding power needed for latching	
Operating Temperature		°C	0 to +70			
Storage Temperature		°C	– 40 to +75			
Maximum Relative Humidity		%	85			

Pin No.	Parameter	Notes	
		1 X 2	2 X 2
1	Control 1	If control voltage is applied across pins 1 and 3 then In -> Out 1	If control voltage is applied across pins 1 and 3 then In 1 -> Out 1 & In 2 -> Out 2
2	Control 2	If control voltage is applied across pins 2 and 3 then In -> Out 2	If control voltage is applied across pins 2 and 3 then In 1 -> Out 2 & In 2 -> Out 1
3	GND	Ground used for switching	Ground used for switching
4-5	Monitor	Used to test position of switch. For the condition; In -> Out 1 : Open Circuit In -> Out 2 : Closed Circuit	Used to test position of switch For the condition; In 1 -> Out 1 & In 2 -> Out 2 : Open Circuit In 1 -> Out 2 & In 2 -> Out 1 : Closed Circuit
6	Case ground	Case ground	Case ground

A: Switch type: 1 x 2: **1** / 2 x 2: **2**

B: Fiber Type: **09** (0.9 mm standard)

C: Fiber Length: **10** (standard 1.0 m)

D: Connector Type: None: **0** / FC: **F** / SC: **S** / LC: **L**

E: Connector Polish: **S** (SPC), **A** (APC)

OSW-20 - A - B - C - D - E