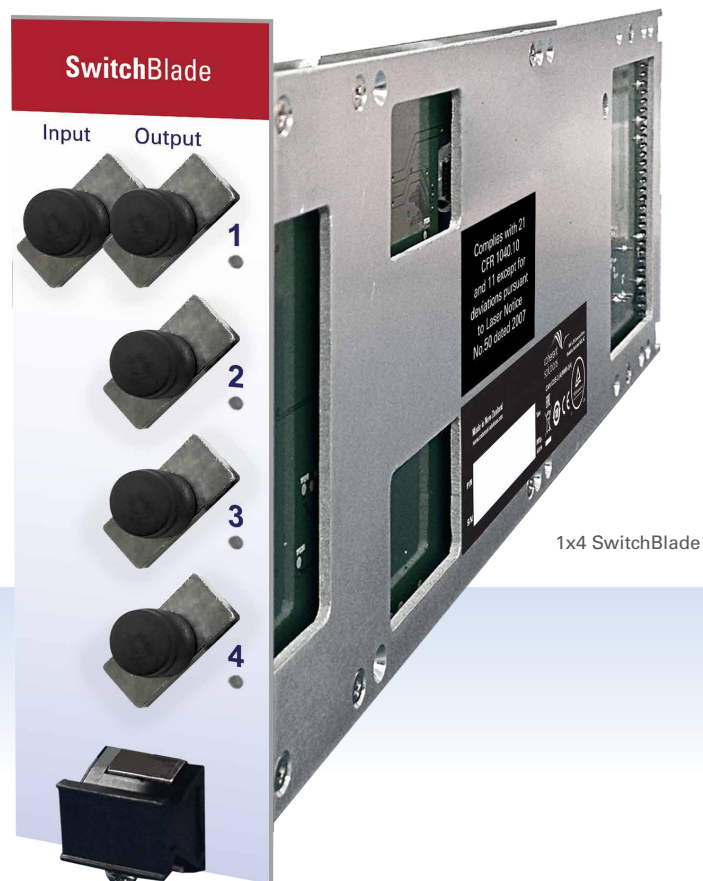




SwitchBlade

Automated Optical Switch

Key Features

- Your choice of various port configurations
- Low insertion loss providing higher performance
- Various wavelength options including 850 nm, 1310 nm & 1550 nm
- Built in position monitoring

To find out more, get in touch with us today.

Coherent Solutions Ltd

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Ordering Information

Mainframe: **MTP1000 | MTPmini**

SwitchBlade: SwitchBlade - X - XX - X - XX

Number of switches

- 1 = 1 switch
- 2 = 2 switches (11, 12, 22)*
- 4 = 4 switches (11)*

Type of switch

- 11 = 1 x 1 switch
- 12 = 1 x 2 switch
- 14 = 1 x 4 switch
- 22 = 2 x 2 switch
- 24 = 2 x 4 switch

Connector Type

- FC = FC/PC
- FA = FC/APC
- SC = SC/PC
- SA = SC/APC

Fiber Type

- 9 = 9 um
- 5 = 50 um (11,12,14)*
- 6 = 62.5 um

Example: SwitchBlade - 2 - 12 - 9 - N - FC

* Only available for stated Type of switch

Technical Specifications¹

General Specifications		SwitchBlade					
Dimensions (HxWxD)	130 mm x 40mm x 305 mm (5.1" x 1.6" x 12")						
Weight	~ 1 kg (~2.2 lbs)						
Operating temperature range	5 °C to 45 °C (41 °F to 113 °F)						
Storage temperature range	-40 °C to 70 °C (-40 °F to 158 °F)						
1x1 & 1x2 Optical Switch	9 µm Core Single Mode			50 µm or 62.5 µm Core Multi Mode			
	Minimum	Typical	Maximum	Minimum	Typical	Maximum	
Wavelength range	1260 nm to 1630 nm			850 nm to 1300 nm			
Insertion Loss ^{2, 5, 6}		0.5 dB	1.0 dB		0.1 dB	0.4 dB	
Return loss		-50 dB					
Polarization dependent loss ²			0.1 dB				
Wavelength dependent loss			0.3 dB				
Crosstalk ³		-80 dB			-80 dB		
Repeatability ⁴			±0.1 dB				±0.1 dB
Optical power			500 mW				500 mW
Durability	3x10 ⁷ cycles			3x10 ⁷ cycles			
Connectors	FC/APC, FC/PC, SC/PC, SC/APC						
1x4 Optical Switch	9 µm Core Single Mode			50 µm or 62.5 µm Core Multi Mode			
	Minimum	Typical	Maximum	Minimum	Typical	Maximum	
Wavelength range	1260 nm to 1630 nm			850 nm to 1300 nm			
Insertion Loss ^{2, 5, 6}		0.8 dB	1.2 dB		0.8 dB	1.0 dB	
Return loss		-50 dB					
Polarization dependent loss ²			0.1 dB				
Wavelength dependent loss			0.3 dB				
Crosstalk ³		-80 dB			-80 dB		
Repeatability ⁴			±0.1 dB				±0.1 dB
Optical power			500 mW				500 mW
Durability	3x10 ⁷ cycles			3x10 ⁷ cycles			
Connectors	FC/APC, FC/PC, SC/PC, SC/APC						
2x2 Optical Switch	9 µm Core Single Mode			50 µm or 62.5 µm Core Multi Mode			
	Minimum	Typical	Maximum	Minimum	Typical	Maximum	
Wavelength range	1330 nm to 1550 nm			850 nm to 1300 nm			
Insertion Loss ^{2, 5, 6}		0.5 dB	1.0 dB		0.4 dB	0.8 dB	
Return loss		-50 dB					
Polarization dependent loss ²			0.1 dB				
Wavelength dependent loss			0.3 dB				
Crosstalk ³		-60 dB			-60 dB		
Repeatability ⁴			±0.1 dB				±0.1 dB
Optical power			500 mW				500 mW
Durability	3x10 ⁷ cycles			3x10 ⁷ cycles			
Connectors	FC/APC, FC/PC, SC/PC, SC/APC						

Notes: ¹ Specifications are valid at 23 °C ± 3 °C. ² Excluding connectors. ³ Power off isolation is same as crosstalk. ⁴ Repeatability is defined after 100 cycles.
⁵ IL is measured at specified wavelength, 23 °C. ⁶ IL is for single-band; Dual-band option adds 0.3 dB. For any special wavelength request, please contact us.