

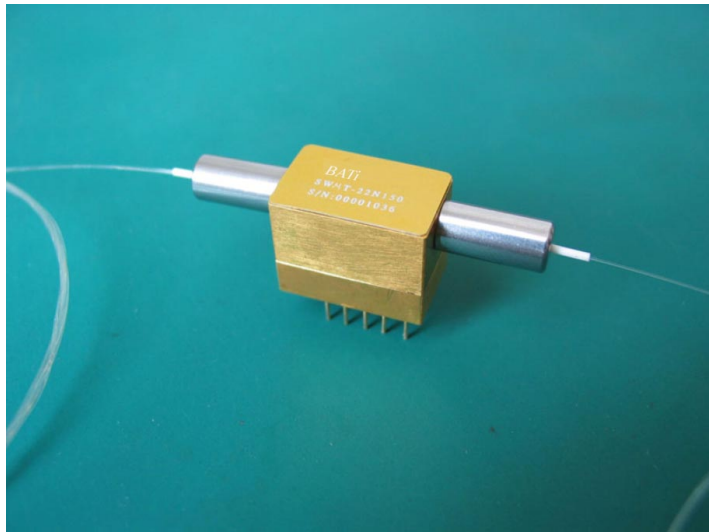
1x1 and 1x2 Optical Switch ---MT Series

Key Features

- 1x1 and 1x2 latching or non-latching configurations
- Low insertion loss
- Compact design
- Hermetical sealing
- High durability
- High stable and reliable

Application

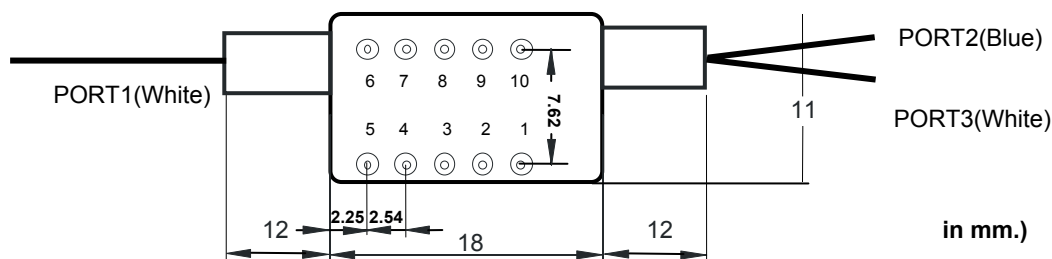
- Network Switching
- Optical Signal Routing
- Network Protection and Restoration
- Module and System Integration
- Configurable Optical Add/Drop



Specifications

Parameter		Unit		Specification
Operating Wavelength Range		nm	-	1260~1360 and/or 1510~1610
Insertion Loss	Grade P	dB	Max	0.5
	Grade A	dB	Max	0.7
Polarization Dependent Loss (PDL)		dB	Max	0.1
Wavelength Dependent Loss (WDL)	Single Window	dB	Max	0.15
	Dual Window	dB	Max	0.25
Cross Talk		dB	Min	60
Return Loss (RL)		dB	Min	50
Cycle Rate		Hz	Max	10
Switching Time		ms	Max	4
Switching Voltage		VDC	-	4.5~5.0
Durability		Cycles	Min	10 million
Fiber Type		-	-	Corning SMF-28
Switching Type		-	-	Latching or Non-Latching
Optical Power Handling		mW	Max	500
Operating Temperature		°C	-	0 ~ 70
Storage Temperature		°C	-	-40 ~ 85
Package Dimension		mm	-	18(L) x 11(W) x 13(H)

Package Dimension



Electric Configuration

A. None-Latching Type

CONFIGURATION		DRIVE		STATUS CONTACTS			
1X2	1X1	PIN 2	PIN 9	PIN 4-5	PIN 3-4	PIN 7-6	PIN 8-7
PATH 1-2	PATH 1-2	+5V	GND	CLOSED	OPEN	CLOSED	OPEN
PATH 1-3	NO LIGHT	N/A	N/A	OPEN	CLOSED	OPEN	CLOSED

B. Latching Type

CONFIGURATION		DRIVE		STATUS CONTACTS			
1X2	1X1	PIN 2	PIN 9	PIN 4-5	PIN 3-4	PIN 7-6	PIN 8-7
PATH 1-2	PATH 1-2	+5V	GND	CLOSED	OPEN	CLOSED	OPEN
PATH 1-3	NO LIGHT	GND	+5V	OPEN	CLOSED	OPEN	CLOSED

Ordering Information

SWMT – –

Port Config.	Latching Type	Center Wavelength	X	Fiber Type	Fiber Jacket	Fiber Length	Connector Type
11 – 1x1 12 – 1x2	L – Latching N – Non Latching	13 – 1310±50nm 15 – 1560±50nm 35 – 1310±50nm and 1560±50nm	0	1 – Corning SMF-28 X – C Specify	1 – 250 µm 9 – 900 µm	1 ≥ 1m X – C specify	0 – None 1 – FC/UPC 2 – FC/APC 3 – SC/UPC 4 – SC/APC 5 – LC X – C Specify

i.e. **SWMT-12L350-1910**

SWMT – 1x2 switch MT Series, latching, and wavelength cover 1310±50nm and 1560±50nm – Corning SMF-28 fiber, 900 µm loose tube, 1 m fiber length, no connector.

Contact Information

For more information about BATi's' leadership in variable optical attenuation and modulation technology and other optical networking modules and components, visit our website at www.bostonati.com.

To obtain additional technical information or to place an order for this product, please contact us at:

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