

MM to SM CONVERTER



1. Overview

These series devices include several types:

- 1) Wavelength Switch Device: It can provide data transmission between two wavelength , such as 1310nm↔1310nm 、 1310nm↔1550nm 、 1310nm↔850nm、 850nm↔1550nm

This kind of device also can be used as positive power enlarge device

- 2) Mode Switch Device: It can provide data transmission between multi mode (850nm,1310nm)and single mode (1310nm,1550nm), This kind of device also can be used as positive power enlarge device.

- 3) Fiber Switch Device: It can provide the data transmission between single –fiber and dual –fiber.

- 4) Switch deferent wavelength and two types of mode.

Our company can provide this kind of device with deferent data rate (155M、 622M、 1.25G),The longest distance can be 120km.

2. Features

Communication Standard Independent

Band Width: 10M bps ~ 1250M bps

Receptacle: SC/LC

Operating temperature: -20℃~70℃

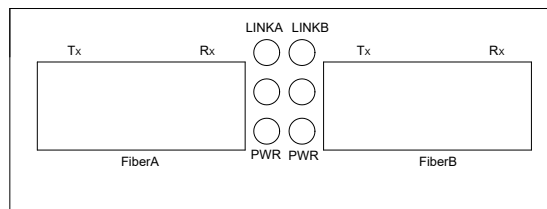
Operating humidity: 5%~90%

Transmission distance: Multi mode: 2Km/1310nm 550m/850nm
Single mode: 2~40Km

3. Electrical and Optical Specifications

Electrical			
	Min	Typ	Max
Power Consumption		2.0W	
Optical Tx Power			
850nm MM	-8dBm		-3dBm
1310nm MM	-15dBm		-8dBm
SM 10km <100Mbps	-15dBm		-8dBm
SM 40km <100Mbps	-8dBm		-3dBm
SM 10km 1250Mbps	-8dBm		-3dBm
SM 40km 1250Mbps	-5dBm		0dBm
Optical Rx Sensitivity			
<100Mbps			-32dBm
1250Mbps			-24dBm

4. LINK/LED Description



Front Panel

LEDs	Status	Indications
POWER	Solid on	Power on
	Off	No power
LINK A	Solid on	Port A multimode fiber signal detects: a valid connection established.
	Off	Multimode fiber link failed.
LINK B	Solid on	Port B single mode fiber signal detect: a valid connection established.
	Off	Single mode fiber link failed

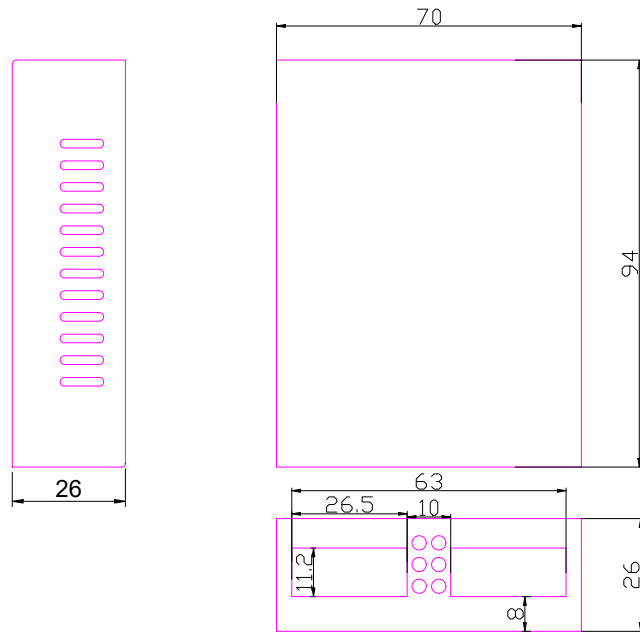
5. Products Classification

- 1, According to fiber module package:
 - SFP fiber module
 - 1X9 fiber module
- 2, According to fiber module wavelength
 - Multimode: 850nm 1310nm
 - Singlemode: 1310nm 1550nm
- 3, According to transmission length
 - SM fiber: 10km
 - SM fiber: 20km
 - SM fiber: 40km
- 4, According to outline
 - 220V/110V AC input power standalone
 - +5V DC input power standalone

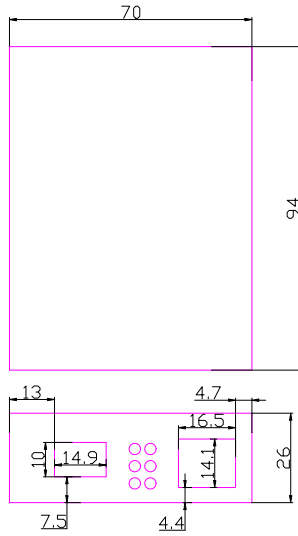
5. Outdrawing

Unit: mm

Converter with 1X9 Module (External Power)



Converter with SFP Module (External Power)



Converter with 1X9 Module (Internal Power)

