

2×10 SM Optical Switch (Stepper Motor)

▣ Features

- Up to 64 channels
- Low loss and high reliability
- Parallel interface (TTL,RS485,RS232)
- Modularized design
- Epoxy-free in optical path



▣ Applications

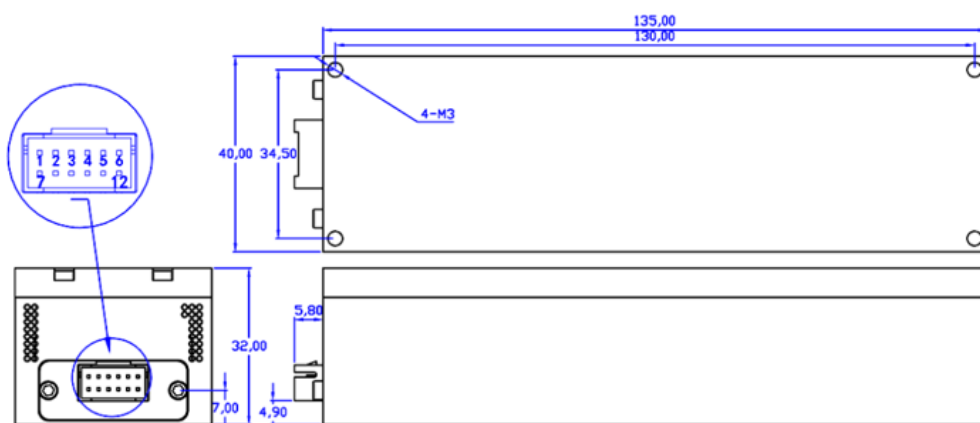
- Ring network
- Remote monitoring in optical network
- Testing of fiber optical component

▣ Specifications

Optical Performance/光学性能		Specification	
Operation Wavelength/工作波长		nm	850.00
Insertion Loss /插入损耗	Typ	dB	<1.5
Polarization Dependent Loss/偏振相关损耗	max	dB	0.10
Wavelength Dependent Loss/波长相关损耗	max	dB	0.20
Temperature Dependent Loss/温度相关损耗	max	dB	0.20
Repeatability/重复性	max	dB	0.10
Return Loss/回波损耗	min	dB	35
Cross-talk/串扰	min	dB	50
Lifetime/使用寿命			10 8
Switching time/开关时间		ms	12

Transmission power/传输光功率	max	mw	500
Switch Mode/控制方式			RS485 (PHB2*6P)
Power supply/驱动电压		V	5V
Fiber Type/光纤类型			62.5/125
Dimensions/尺寸		mm	135X40X32
Operating Temperature/工作温度		oC	-20~70
Environmental Stress Screening/环境压力测试			Specification
Baking (Temperature / Duration)/烘烤(温度/持续时间)		C / Hr	+85°C/48Hr
Temperature Cycling (Temperature Range / Cycles)/温度循环		C / Hr	-40°C to +85°C/48Hr
Mechanical and Configuration/形态和布局			Specification
Package Dimension/外包装尺寸		mm	345x285x72

Dimensions



▣ Pins

Pin	I/O	Signal Name	Description
1,2,3,4,5,6,7,8			None
9	Power in	GND	Ground
10	Power in	5V	5.0±5% VDC Power Supply(max 1000mA)
11	S-	RS485	B
12	S+	RS485	A

▣ Ordering Information: OSW-1×N-A-B-C-D-E-F-G

N	A	B	C	D	E	F	G
	Fiber Type	Test Wavelength	sheath	Fiber Length	Connector	Control port	Size
1 ~ 64	SM: SM, 9/125 M5: MM50/125 M6: MM62.5/125 Hi:Hi1060	850: 850nm 1310: 1310nm 1550: 1550nm 13/15:1310/1550nm XX: othe	25:250um 90: 900um 20: 2.0mm FA: fiber array	05: 50±5cm 10: 100±5cm 15: 150±5cm	OO:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC ST:ST/PC	01: TTL+RS232 02:TTL+RS485 03:USB	A:135X40X32 B:135X64X32