

Product Description:

The matrix optical switch module is a kind of optical path control device, which can be arbitrarily interconnected among multiple groups of input ports and multiple groups of output ports. Due to its advantages such as good environmental performance, it is mainly used in optical communication for cross-connection of backbone optical nodes, multi-dimensional online monitoring, etc.

Features:

- Low insertion loss
- Fast switching
- Support half-cross/full-cross customization
- Support input/output port power monitoring customization
- High stability and high reliability



Parameter:

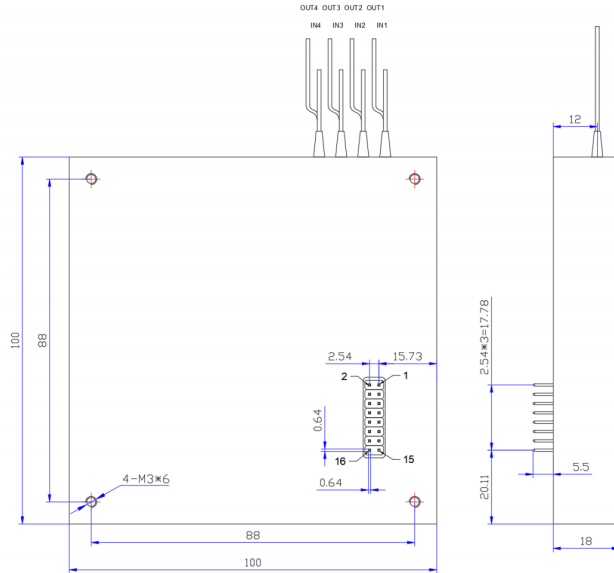
Parameter:		Unit	Technical indicators
Model		XH-OSW-M*N	
Working wavelength		nm	1260~1650
Insertion loss (1)	4*4	dB	Typ≤1.6dB, Max≤2.1dB
	8*8	dB	Typ≤2.0dB, Max≤2.4dB
	16*16	dB	Typ≤2.5dB, Max≤3.0dB
	32*32	dB	Typ≤3.0dB, Max≤3.5dB
Repeatability		dB	£ 0.05 dB
Return loss		dB	> 50dB
Crosstalk		dB	> 50dB
Wavelength dependent loss		dB	£ 0.25
Polarization dependent loss		dB	£ 0.1
Switching time (Any channel)		ms	< 30ms
Lifetime		Cycles	> 10 ⁷
Optical power		mW	≤500mW
Maximum channel can be customized		CH	M≤64, N≤64
Powered by		V	5.0
Power consumption		W	< 10W
Operating temperature			-5~55
Storage temperature			-20~70
Relative humidity		%	5 ~ 95
Dimension (2)		mm	4*4 : 100*100*18
			8*8 : 180*150*28

Remark : (1) Tested within operating temperature range and without connectors.

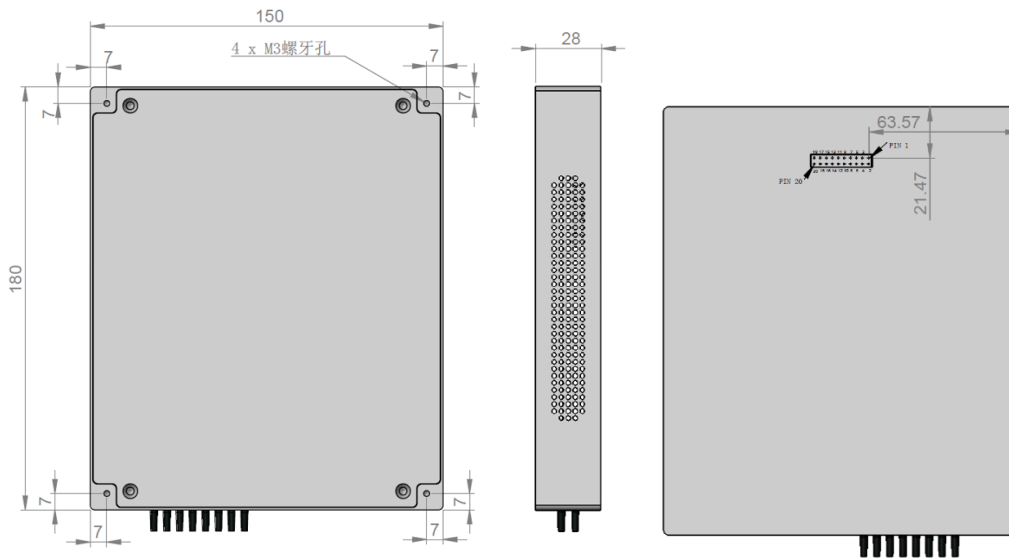
(2) Support size customization

Others: support communication mode customization.

Dimensions:



4*4 modules



8*8 modules