

1550nm 48CH PM Fiber Array

1550nm 48CH PM Fiber Array is a fiber optic product built with PM panda fiber, the PM fiber ribbon is arranged into the V-groove with horizontal or vertical axis alignment, the FA end face can be 0°, 7° or 8° (or customized) polished, it's widely used in MEMS systems, fiber optic sensor and silicon photonic field. FA channel can be customized upon request. FA with AR-Coating is also available.

Application:

MEMS Systems
Fiber Optic Sensor
Silicon Photonic
Lab And Research

Features:

High Extinction Ratio
Low Insertion Loss
RoHs Compliant
High Reliability



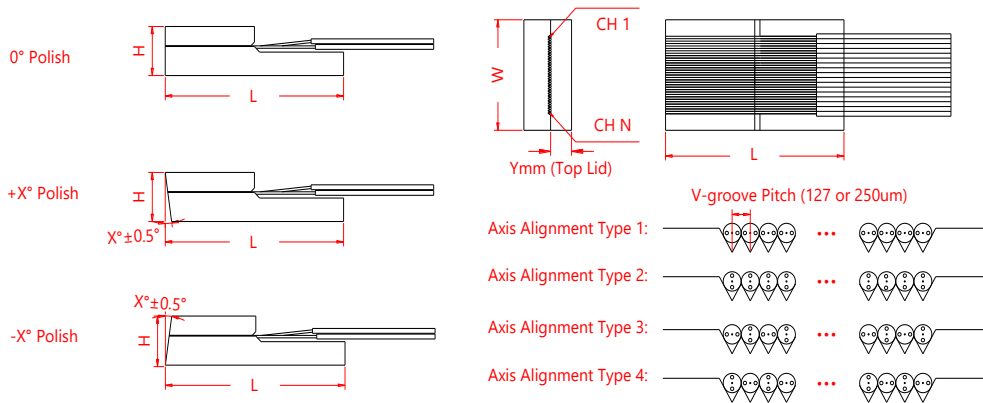
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1550	nm
Bandwidth	BW	± 20	nm
Channel		48	CH
Max. Insertion Loss	IL	0.3	dB
Min. Extinction Ratio	ER	20	dB
Polish Angle		0, 7, 8, 10 (± 0.5) or Customized	Degree
V-groove Pitch		127 or 250 (± 0.5)	um
Top Lid Thickness		0, 0.1, 0.2, 0.5, 1	mm
Axis Alignment		Horizontal or Vertical	-
Axis Alignment Tolerance		± 2	Degree
Fiber Type		PM 1550 Panda fiber	-
Operating Temperature	T	-20~75	°C
Storage Temperature	T	-40~85	°C
Package	for 127um Pitch	L11.5xW9.0xH2.5	mm
	for 250um Pitch	L11.5xW15xH2.5	mm

Notice: Above specifications are tested at center wavelength with connectors in room temperature @23°C.

Slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

WWWW	CC	PP	VVV	TT	A	J	LL	CC
Wavelength	Channel	Polish Angle	V-groove Pitch	Top Lid Thickness	Axis Alignment	Fiber Jacket	Fiber Length	Connector
1550 - 1550nm	48 - 48 Channels	0D - 0°	127 - 127um	NE - None	1 - Type 1	B - 250um	05 - 0.5m	NE - None
SSSS - Specify	SS - Specify	P7 - +7°	250 - 250um	Z1 - 0.1mm	2 - Type 2	Bare Fiber	10 - 1.0m	FA - FC/APC
		N7 - -7°		Z2 - 0.2mm	3 - Type 3	9 - 900mm	15 - 1.5m	FU - FC/UPC
		P8 - +8°		Z5 - 0.5mm	4 - Type 4	Loose Tube	20 - 2.0m	SA - SC/APC
		N8 - -8°		O1 - 1mm			SS - Specify	SU - SU/APC
		P10 - +10°		SS - Specify				LA - LC/APC
		N10 - -10°						LU - LC/UPC
		SS - Specify						SS - Specify