



## Polarization Maintaining Fiber Pigtail (PMFP Series)

Rev 10

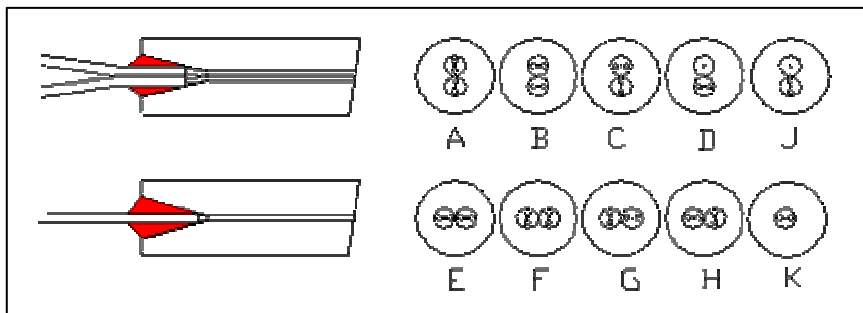
The PM Fiber Pigtail is the basic building block for PM fiber optic components. The Fiber Pigtail is characterized with fine polishing surface, accurate polishing angle and high extinction ratio. The unique processing and high quality AR coating enable the fiber pigtail to handle high power with minimum loss.

### Specifications

Parameter	Unit	Single Fiber	Dual Fiber
Center Wavelength	nm	1550, 1310 or specify	
Capillary Diameter <sup>1</sup>	mm	1.0, 1.8	
Diameter Tolerance	mm	± 0.005	
Capillary Length	mm	4.75 ± 0.25	5.75 ± 0.25
Polishing Angle	degree	0°, 8°	
Fiber Orientation		Refer to diagram	
Fiber Type Combination		PM fiber & PM fiber, PM fiber & SMF-28	
Typ. Extinction Ratio	dB	25	
Min. Extinction Ratio	dB	23	
Scratch/Dig		10/5	
AR-coating		R < 0.25% @ specified wavelength range	

<sup>1</sup>Diameter tolerance of 1.0 mm pigtail is ± 0.02 mm.

### Fiber Orientation



### Ordering Information

**PMFP-①-②-③-④-⑤-⑥-⑦⑦-⑧-⑨**

- |  |                       |                                       |                     |                    |
|--|-----------------------|---------------------------------------|---------------------|--------------------|
| ①: Fiber Pigtail Type                              | ②: AR- Coating        | ③: Capillary Diameter                 | ④: Capillary Length | ⑤: Polishing Angle |
| S - Single fiber                                   | 9806 - 980/1060 nm    | 1 - 1.8 mm                            | 1 - 4.75 mm         | 8 - 8°             |
| D - Dual fiber                                     | 3155 - 1310/1550 nm   | 2 - 1.0 mm                            | 2 - 5.75 mm         | S - Specify        |
|  | SSSS - Specify        | S - Specify                           | S - Specify         |                    |
| ⑥: Fiber Type Combination (for dual fiber pigtail) | ⑦⑦: PM Fiber Type     | ⑧: Fiber Orientation                  |                     |                    |
| 1 - PM Panda fiber & PM Panda fiber                | 1 - Fiber PM-98-025-B | A~J - Refer to the diagram for detail |                     |                    |
| 2 - PM Panda fiber & Single mode fiber             | 2 - Fiber PM-31-025-B | (A~H for dual PM fiber pigtail,       |                     |                    |
|  | 3 - Fiber PM-55-025-B | J for SM & PM fiber pigtail,          |                     |                    |
| ⑨: Fiber Length                                    | 4 - Fiber PM-31-040-B | K for single PM fiber pigtail)        |                     |                    |
| 1 - 1.0 m  | 5 - Fiber PM-55-040-B |                                       |                     |                    |
| S - Specify  |                       |                                       |                     |                    |