



## Fiber Pigtail (FP Series)

The Fiber Pigtail is the basic component for making Optical Component such as Collimator, Isolator and DWDM. The Fiber Pigtail is characterized with fine polishing surface and accurate polishing angle to reduce back reflection. The unique polishing process and high quality AR coating enable the pigtail to handle high power level.

### Specifications

Parameters	Unit	Single Fiber	Dual Fiber
Center Wavelength	nm		1310, 1550 or Specify
Capillary Lens diameter	mm	0.99, 1.8	0.99, 1.8
Diameter Tolerance	mm	$\pm 0.005^1$	$\pm 0.005^1$
Length	mm	4.75 $\pm$ 0.25	5.75 $\pm$ 0.25(4.75 $\pm$ 0.25 for 0.99mm Capillary)
Wedge angle	deg		8°
Wedge tolerance	deg		$\pm 0.50^\circ$
Fiber Orientation Ref. To Wedge Angle			Vertical / Horizontal
Fiber type			Corning SMF-28
Scratch/Dig			10/5
AR-coating			R<0.1% $\lambda$ c, R<0.25% $\lambda$ c $\pm$ 40nm,

<sup>1</sup> Tolerance of 0.99mm capillary is  $\pm 0.01$ mm

\*Above specification are for device without connector.

\*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower.

### Ordering Information

**FP-** - - - - -

: Fiber Pigtail Type	: Length
S - Single fiber	1 - 4.75 mm
D - Dual fiber	2 - 5.75 mm
	3 - 4.0mm (For 1.8mm capillary)
	S - Specify
: Center Wavelength	: Fiber type
31 - 1310 nm	B - 250um bare fiber
55 - 1550 nm	L - 900um loose tube (For Single Fiber)
3155 - 1310/1550 nm	T - 900um tight buffer fiber (For Single Fiber)
S - Specify	S - Specify
: Capillary Diameter	: Fiber Orientation (Dual Fiber Only)
1 - 1.8 mm	V - Vertical
2 - 0.99 mm	H - Horizontal
: Wedge Angle	: Fiber Length
1 - 8°	2 - 2.0 m
S- Specify	S - Specify