

1310 nm bend insensitive PANDA with heat resistant coating (Bending radius 5 mm)

Feature

- 1310 nm band polarization maintaining fiber
- PANDA fiber with heat resistant coating can be used in range of temperature between -40 and +150 °C.
- Bend insensitive (bending radius 5 mm)*
*Optical characteristics is assured.

Common specifications

Mode field diameter	7.8 ± 0.5 μm @ 1310 nm
Concentricity error	≤ 0.5 μm
Cladding diameter	125 ± 1 μm (Major diameter)
Attenuation	≤ 3.0 dB/km @ 1310 nm
Bending loss *	≤ 0.1 dB @ 1310 nm, R5 mm × 10 turns
Cutoff wavelength (Fiber cutoff)	≤ 1260 nm
Bending polarization crosstalk *	≤ -30 dB @ 1310 nm region, R5 mm × 10 turns
Beat length	≤ 3.0 mm @ 1310 nm
Proof test level	≥ 2%
Minimum bending radius *	R5 mm

*Optical characteristics is assured.

Product list

Product	Coating structure	Coating diameter	Specification number		
			---	ID	Rev
BIR5-13-PX-U25HT	UV curable acrylate	245 ± 15 μm	B-13D0086-22-	1	0

Other

- Recommended operating relative humidity
Relative humidity: ≤ 50 % RH
- Recommended storage condition
Temperature: +10 ~ +35 °C
Relative humidity: ≤ 85 % RH



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1550 nm bend insensitive PANDA with heat resistant coating (Bending radius 5 mm)

Feature

- 1550 nm band polarization maintaining fiber
- PANDA fiber with heat resistant coating can be used in range of temperature between -40 and +150 °C.
- Bend insensitive (bending radius 5 mm)*
*Optical characteristics is assured.

Common specifications

Mode field diameter	9.0 ± 0.4 μm @ 1550 nm
Concentricity error	≤ 0.5 μm
Cladding diameter	125 ± 1 μm (Major diameter)
Attenuation	≤ 3.0 dB/km @ 1550 nm
Bending loss *	≤ 0.1 dB @ 1550 nm, R5 mm × 10 turns
Cutoff wavelength (Fiber cutoff)	≤ 1500 nm
Bending polarization crosstalk *	≤ -30 dB @ 1550 nm region, R5 mm × 10 turns
Beat length	≤ 3.0 mm @ 1550 nm
Proof test level	≥ 2%
Minimum bending radius *	R5 mm

*Optical characteristics is assured.

Product list

Product	Coating structure	Coating diameter	Specification number		
			---	ID	Rev
BIR5-15-PX-U25HT	UV curable acrylate	245 ± 15 μm	B-13D0086-21-	1	0

Other

- Recommended operating relative humidity
Relative humidity: ≤ 50 % RH
- Recommended storage condition
Temperature: +10 ~ +35 °C
Relative humidity: ≤ 85 % RH



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80 μm cladding 1310 nm bend insensitive PANDA with heat resistant coating (Bending radius 5 mm)

Feature

- 1310 nm band polarization maintaining fiber
- 80 μm cladding diameter PANDA fiber with heat resistant coating can be used in range of temperature between -40 and +150 $^{\circ}\text{C}$.
- Bend insensitive (bending radius 5 mm)*
*Optical characteristics is assured.

Common specifications

Mode field diameter	7.4 \pm 0.5 μm @ 1310 nm
Concentricity error	\leq 0.5 μm
Cladding diameter	80 \pm 1 μm (Major diameter)
Attenuation	\leq 3.0 dB/km @ 1310 nm
Bending loss *	\leq 0.1 dB @ 1310 nm, R5 mm \times 10 turns
Cutoff wavelength (Fiber cutoff)	\leq 1250 nm
Bending polarization crosstalk *	\leq -27 dB @ 1310 nm region, R5 mm \times 10 turns
Beat length	\leq 3.0 mm @ 1310 nm
Proof test level	\geq 2%
Minimum bending radius *	R5 mm

*Optical characteristics is assured.

Product list

Product	Coating structure	Coating diameter	Specification number		
			---	ID	Rev
RCBI13-PX-U17HT	UV curable acrylate	165 \pm 10 μm	B-13D0086-26-	1	0

Other

- Recommended operating relative humidity
Relative humidity: \leq 50 % RH
- Recommended storage condition
Temperature: +10 \sim +35 $^{\circ}\text{C}$
Relative humidity: \leq 85 % RH



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80 μm cladding 1550 nm bend insensitive PANDA with heat resistant coating. (Bending radius 5 mm)

Feature

- 1550 nm band polarization maintaining fiber
- 80 μm cladding diameter PANDA fiber with heat resistant coating can be used in range of temperature between -40 and +150 $^{\circ}\text{C}$.
- Bend insensitive (bending radius 5 mm)*
*Optical characteristics is assured.

Common specifications

Mode field diameter	8.6 \pm 0.4 μm @ 1550 nm
Concentricity error	\leq 0.5 μm
Cladding diameter	80 \pm 1 μm (Major diameter)
Attenuation	\leq 3.0 dB/km @ 1550 nm
Bending loss *	\leq 0.1 dB @ 1550 nm, R5 mm \times 10 turns
Cutoff wavelength (Fiber cutoff)	\leq 1500 nm
Bending polarization crosstalk *	\leq -27 dB @ 1550 nm region, R5 mm \times 10 turns
Beat length	\leq 3.5 mm @ 1550 nm
Proof test level	\geq 2%
Minimum bending radius *	R5 mm

*Optical characteristics is assured.

Product list

Product	Coating structure	Coating diameter	Specification number		
			---	ID	Rev
RCBI15-PX-U17HT	UV curable acrylate	165 \pm 15 μm	B-13D0086-24-	1	0

Other

- Recommended operating relative humidity
Relative humidity: \leq 50 % RH
- Recommended storage condition
Temperature: +10 \sim +35 $^{\circ}\text{C}$
Relative humidity: \leq 85 % RH



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