

# TEC\* PANDA fiber with heat resistant coating

\* Thermally-diffused Expanded Core

## Feature

- 1310 and 1550 nm band polarization maintaining fiber
- Thermally-diffused Expanded Core (TEC) technology is applied to PANDA fiber
- Temperature range is -40 and +150 deg C.
- It is suitable for silicon photonics device

## Product

TEC13-15-PS-U25HT-M4

## Specifications

Concentricity error	≤ 0.5 μm
Cladding major diameter	125 ± 1 μm
Mode field diameter	3.4 ± 0.4 μm @ 1310 nm
	4.0 ± 0.3 μm @ 1550 nm
Fiber cut-off wavelength	≤ 1280 nm
Attenuation	≤ 50 dB/km @ 1310 nm
	≤ 35 dB/km @ 1550 nm
Bending loss	≤ 0.01 dB @ 1550nm, R5 mm x 10turns
Bending Polarization crosstalk	≤ -25 dB @ 1550nm region, R5 mm x 5turns
Beat length	≤ 5.0 mm @ 1550 nm
Proof test level	≥ 2%
Coating structure	UV curable acrylate resin
Coating diameter	245 ± 15 μm
Minimum bending radius *	R5 mm

\*Optical characteristics are assured.

## Product list

Product	Specification number		
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TEC13-15-PS-U25HT-M4	B-13D0086-17-	1	1



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Specifications are subject to change without prior notice