

Small Mode Field PMF for Component

Features

- High numerical aperture (NA)
- High birefringence
- Excellent polishing properties
- Low insertion loss

Applications

- Optical spot size converter
- Silicon photonic chip coupling
- Polarization-sensitive components

Specifications

Fibre type	PM 1310_125-30/250(HNA)
Part No.	PM1016-T
Optical properties	
Operating wavelength (nm)	1310&1550
Fibre cutoff wavelength (nm)	1100 ~ 1280
Mode field diameter (μm)	3.4±0.4@1310nm 4.0±0.3@1550nm
Attenuation (dB/km)	≤50.0@1310nm ≤30.0@1550nm
Beat length (mm)	≤4.0@1550nm
Polarization crosstalk@ 100m (dB)	≤-30@1550nm ≤-25@1550nm(dia.10mm, 10turns)
Macro-bending loss (dB)	≤0.01@1550nm(dia.10mm, 10turns)
Geometrical properties	
Cladding diameter (μm)	124.5±1.0
Coating diameter (μm)	245.0±5.0
Cladding non-circularity (%)	≤1.0
Core/cladding concentricity error (μm)	≤0.5
Coating material	Dual-layer, UV-cured acrylate
Mechanical performance	
Operating temperature range (°C)	-45 ~ 85
Proof test level (kpsi)	100
Fibre length (m)	Customer-specified

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