

Reducing Diameter PMF for Component

Features

- Small-sized fibre design
- Ultra-high birefringence
- Excellent polishing properties
- High stability and reliability

Applications

- Small-sized polarization modulators
- Polarization-sensitive components
- Fibre sensors

Specifications

Fibre type	PM 1310_80-13/165	PM 1550_80-13/165
Part No.	PM1016-S	PM1017-S
Optical properties		
Operating wavelength (nm)	1310	1550
Fibre cutoff wavelength (nm)	1100 ~ 1290	1290 ~ 1450
Mode field diameter (μm)	8.2±0.5@1310nm	9.0±0.5@1550nm
Attenuation (dB/km)	≤2.0	≤2.0
Beat length (mm)	≤3.0	≤3.5
Polarization crosstalk@ 100m (dB)	≤-30@1310nm	≤-30@1550nm ≤-25@1550nm(dia.10mm, 10turns)
Macro-bending loss (dB)	-	≤0.5@1550nm(dia.10mm, 10turns)
Geometrical properties		
Cladding diameter (μm)	80.0±1.0	80.0±1.0
Coating diameter (μm)	165.0±5.0	165.0±5.0
Cladding non-circularity (%)	≤1.0	≤1.0
Core/cladding concentricity error (μm)	≤0.5	≤0.5
Coating material	Dual-layer, UV-cured acrylate	Dual-layer, UV-cured acrylate
Mechanical performance		
Operating temperature range (°C)	-45 ~ 85	-45 ~ 85
Proof test level (kpsi)	100	100
Fibre length (m)	Customer-specified	Customer-specified

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