

Polyimide-Coated SM Optical Fiber

Product Information

Issue Date: 2003/9

OPTICAL CHARACTERISTICS

Characteristics

Characteristics	Conditions	Specified Values	Unit
Attenuation Coefficient	1310nm 1550nm	≤ 0.5 ≤ 0.4	[dB/km] [dB/km]
Mode Field Diameter	1310nm	8.8 ~ 9.8	[μ m]
Fiber Cut-off Wavelength		1150 ~ 1330	[nm]
Zero Dispersion Wavelength		1300 ~ 1322	[nm]
Zero Dispersion Slope		≤ 0.092	[ps/(nm ² ·km)]
Dispersion Coefficient	1285 – 1330 nm 1550nm	≤ 3.1 ≤ 18	[ps/(nm·km)] [ps/(nm·km)]
PMD		≤ 0.2	[ps/ \sqrt km]

PHYSICAL CHARACTERISTICS

Core / Cladding Concentricity Error		≤ 0.8	[μ m]
Cladding Diameter		125 \pm 1	[μ m]
Cladding Non-Circularity		≤ 2.0	[%]
Coating Diameter		145 \pm 5	[μ m]
Clad / Coat Concentricity Error		≤ 3	[μ m]
Proof Test		50	[Kpsi]
Length		Customize	