

Polarization Maintaining Passive Dispersion-Compensating Fiber (PMDCF)

Description

Opneti Polarization maintaining passive dispersion-compensating fiber, featuring high-doping and polarization-maintaining design, used for 1.5 μm fiber lasers. With special core and refractive index profile design, high positive dispersion, excellent polarization-maintaining characteristics, and high compatibility with polarization-maintaining erbium-doped fiber, low splicing loss.

Specifications



Part No.	Unit	PMDCF-F05066
Operating Wavelength	nm	1525~1565
Core NA	μm	0.24 \pm 0.01
Mode Field Diameter	μm	5.5 \pm 0.5@1550nm
Cross Talk	dB/100m	\leq 30
Attenuation	dB/km	\leq 30dB/101m
Birefringence Coefficient	10^{-4}	\geq 1.5
1545nm Dispersion Coefficient	ps/nm·km	-22
Cut-off Wavelength	nm	\leq 970
Cladding Shape	-	Cycle
Cladding Diameter	μm	125 \pm 1.0
Coating Diameter	μm	245.0 \pm 5.0
Cladding Non-circularity	%	\leq 3.0
Core/Cladding Concentricity Error	μm	\leq 1.0
Coating Material	-	Dual-layer UV-acrylate
Operating temperature	$^{\circ}\text{C}$	- 45 to + 85
Proof test level	kpsi	100
Spool length	m	customized
Coating Strip Force	N	\geq 1.5

Products

Standard Products:

PMDCF-F05066

