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

RoHS Reach

Part No.	Unit	PMDCF-F05066
Operating Wavelength	nm	1525~1565
Core NA	μm	0.24±0.01
Mode Field Diameter	μm	5.5±0.5@1550nm
Cross Talk	dB/100m	≤30
Attenuation	dB/km	≤3
Birefringence Coefficient	10^{-4}	≥1.5
1545nm Dispersion Coefficient	ps/nm·km	-22
Cut-off Wavelength	nm	≤970
Clading Shape	-	Cycle
Cladding Diameter	μm	125±1.0
Coating Diameter	μm	245.0±5.0
Cladding Non-circularity	%	≤3.0
Core/Cladding.Concentricity Error	μm	≤1.0
Coating Material	-	Dual-layer UV-acrylate
Operating temperature	℃	- 45 to + 85
Proof test level	kpsi	100
Spool length	m	customized
Coating Strip Force	N	≥1.5

Products

Standard Products:

PMDCF-F05066