DCF-UN-20/125M

Double-Clad Passive Fiber

The DCF-20/125M is designed for manufacturing passive components such as isolators and pump combiners. Its MFD is set to perfectly match the DCF-YB-20/128P-FAC used in the design of high peak power pulsed fiber lasers for material processing.

Features & Benefits

- Low background losses
- Excellent geometrical properties
- Compatible with industry standards

Applications

- Fiber laser
- Laser beam delivery

Related Products

- DCF-YB-20/128P-FAC
  Matched active fiber

Specifications

Optical

Numerical Aperture – Core	0.075 ± 0.005
Numerical Aperture – Cladding	> 0.45
Mode Field Diameter – Nominal (µm)	14
Mode Field Diameter Mismatch (dB)	< 0.2
Background Loss @ 1100 nm (dB/km)	< 10

Geometrical & Mechanical

Core Diameter – Nominal (µm)	20
Cladding Diameter (µm)	250 ± 5
Core/Cladding Concentricity Error (µm)	< 1.0
Coating Diameter (µm)	260 ± 20
Proof Test (kpsi)	≥ 100

Environmental

Operating Humidity (%)	5 - 85
Operating Temperature (C°)	0 - 70
Storage Humidity (%)	5 - 85
Storage Temperature (C°)	-40 - 85

ISO 9001:2015 certified quality system | RoHS and REACH compliant.
All specifications are subject to change without notice. Reference: 101-10-0620.R1

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