

DCF-UN-23/153-10

Double-Clad Passive Fiber



This double-clad passive fiber is design to provide perfect coupling with 153 micron high-power laser diodes used in industrial high-power CW fiber lasers. It is also well-suited for the manufacturing of a variety of other passive components.

Features & Benefits

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

Applications

- Passive components manufacturing
- CW Fiber lasers

Specifications

Optical

Numerical Aperture - Core	0.1 ± 0.01
Numerical Aperture - Cladding	0.45
Background Loss @ 1200 nm (dB/km)	< 10

Geometrical & Mechanical

Core Diameter (µm)	23 ± 1
Cladding Diameter (µm)	153 ± 1
Core/Cladding Concentricity Error (µm)	< 1.0
Coating Diameter (µm)	320 ± 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: 101-10-0946.R1