

SCF-UN-20/125-08

Single-Clad Passive Fiber



The SCF-UN-20/125-080 is designed to perfectly match Coractive's DCF-YB-20/128E and other commercially available active fibers. It is commonly used for manufacturing passive components, such as output isolators of high peak power pulsed fiber lasers in material processing applications.

Features & Benefits

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

Applications

- Passive component manufacturing
- Material processing
- Fiber lasers and amplifiers

Related Products

- [DCF-YB-20/128E](#)
Matched double-clad active fiber

Specifications

Optical

Numerical Aperture - Core	0.080 ± 0.005
Background Loss @ 1200 nm (dB/m)	≤ 10.0

Geometrical & Mechanical

Core Diameter (µm)	20.0 ± 1.0
Cladding Diameter (µm)	125 ± 2
Core/Cladding Concentricity Error (µm)	≤ 1.0
Coating Diameter (µm)	245 ± 10
Proof Test (kpsi)	≥ 100

Environmental

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