

## Single Mode fiber (850 nm band)

### Feature

- 850 nm band single mode optical fiber
- RCHA85-SM-U17C is small diameter and high N.A. type.

### Common specifications

Attenuation	$\leq 3.0$ dB/km @ 850 nm
Coating structure	UV curable acrylate Notice : UV curable acrylate resin type differs between D and C. (Last character of each product name)

### Product list

Product	Mode field diameter	Concentricity error	Cladding diameter	Cutoff wavelength	Coating diameter	Minimum bending radius
SM85-SM-U25D	$5.5 \pm 1.0$ $\mu\text{m}$ @ 850 nm	$\leq 0.7$ $\mu\text{m}$	$125 \pm 1$ $\mu\text{m}$	$\leq 0.78$ $\mu\text{m}$	$245 \pm 15$ $\mu\text{m}$	1% proof : R30 mm* 2% proof : R20 mm
RCHA85-SM-U17C	$3.5 \pm 0.5$ $\mu\text{m}$ @ 850 nm	$\leq 1.0$ $\mu\text{m}$	$80 \pm 1$ $\mu\text{m}$	0.65 - 0.80 $\mu\text{m}$	$165 \pm 15$ $\mu\text{m}$	1% proof : R15 mm* 2% proof : R15 mm

\*1% proof test type is standard. 2% proof test type is available, and code '-H' is added at the end of the product name.  
(e.g. SM15-PS-U40D-H)



Optical Fiber Division  
1440, Mutsuzaki, Sakura, Chiba 285-8550, Japan

<http://www.fujikura.co.jp/>  
[optodevice@jp.fujikura.com](mailto:optodevice@jp.fujikura.com)

Specifications are subject to change without prior notice