

*PMC-C-TiSa\_Er-7C*

*Kagome Hollow-Core Fiber with optimized performance for 800nm and 1550nm. Ideal For Ti-Saph and Erbium based lasers.*


# *Broad Spectral Coverage*

* *Large Core Size*
* *Nearly Single Mode Guidance*
* *Low Dispersion*
* *Record–high laser damage threshold\**

## *Optical micrograph of fiber end facet*

*Typical attenuation and dispersion*

*Physical Properties*

*Core contour*

*Hypocycloid with negative*

*curvature parameter b=1\**

*Inner Core*

*Diameter*

*63 µm ± 1*

*Outer Fiber Diameter*

*300 µm ± 1*

*Fiber Coating Layer*

*Primary polymer coating*

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| *Optical Properties* |
| *Center Wavelength* | *800 nm / 1600nm* |
| *Attenuation @ 800 nm /1550 nm* | *<80 dB/km ± 5* |
| *Dispersion @ 800 nm /1550 nm* | *1 ps/nm/km ± 0.5* |
| *Transmission band\*\***\*\*Attenuation lower than 100 dB/km**for the 1300-1750nm* | *>100 nm / >300nm* |
| *Mode Field Diameter (1/e²)* | *44 µm ± 1* |
| *3 dB bend loss radius* | *5 cm ± 2* |

*Typical output near field profile @ 800 nm*

*\* See See CLEO STh4L.7, 2015*

*\*\* For b definition, see Opt. Exp. 21, no. 23, 28597, 2013*

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