***PMC-C-2***μ***m-7C***

***Hollow-Core Fiber optimized for 2-3µm range.***

**We tailor our hollow-core ﬁbers to your needs**


# Nearly single mode guidance

* *Low dispersion, low loss*
* *High power and energy handling\**
* *Broad spectral coverage*

##

### Typical attenuation and dispersion

|  |
| --- |
| ***Physical Properties*** |
| *Core contour Hypocycloid with negative curvature parameter b>0.7\*\***Inner core**diameter 56 µm ± 1**Outer fiber diameter 415 µm ± 3%**Fiber coating layer Primary polymer coating* |
| ***Optical Properties*** |
| *Center wavelength* | *2000 nm* |
| *Attenuation @2000 nm* | *60 dB/km ± 5* |
| *Dispersion @2000 nm* | *1 ps/nm.km ± 0.5* |
| *Transmission band\*\***\*\*Attenuation lower than 150 dB/km* | *>350nm* |
| *Mode field diameter (1/e²)* | *42 µm ± 1* |
| *3 dB bend loss radius @1030 nm* | *5 cm ± 2* |

 

\* See Opt. Express **22**, no. 9, 10735, 2014

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

### Output near field profile Output far field profile

All specifications may be changed without notice

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