



# Hollow Core Photonic Crystal Fiber

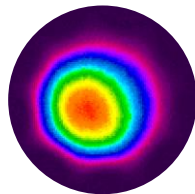
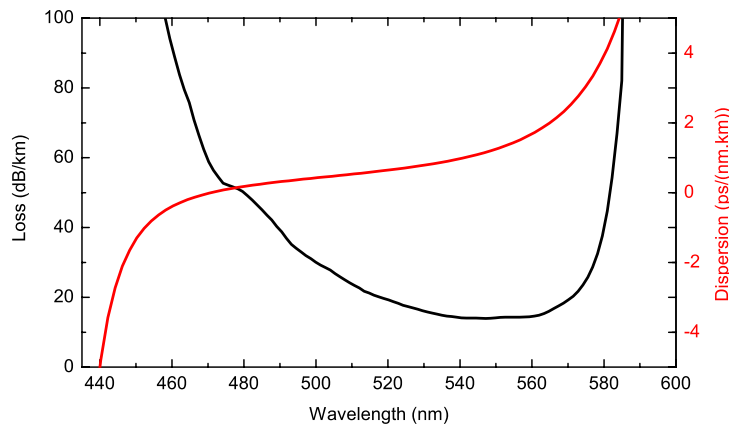
## PHYSICAL PROPERTIES

|                             |                    |
|-----------------------------|--------------------|
| Inner Core Diameter.....    | <b>40 ± 3 μm</b>   |
| Outer Fiber Diameter.....   | <b>230 ± 4 μm</b>  |
| Fiber Coating Diameter..... | <b>400 ± 50 μm</b> |

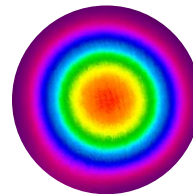
## OPTICAL PROPERTIES

|                                     |                              |
|-------------------------------------|------------------------------|
| Operating Wavelength.....           | <b>515-532 nm</b>            |
| Attenuation @ 515-532 nm.....       | <b>&lt; 30 dB/km</b>         |
| Transmission Band (< 80 dB/km)..... | <b>465-585 ± 25 nm</b>       |
| Dispersion (Calculated).....        | <b>[-0.1 ; 5] ps/(nm.km)</b> |
| Numerical Aperture @ 532 nm.....    | <b>0.014 ± 0.002</b>         |
| Mode Field Diameter @ 532 nm .....  | <b>31 ± 3 μm</b>             |

## TYPICAL TRANSMISSION



**OUTPUT  
NEAR FIELD PROFILE**



**OUTPUT  
FAR FIELD PROFILE**

UV  
HCPCF-350-27  
320 - 380 nm

Blue  
HCPCF-450-30  
360 - 520 nm

Green  
HCPCF-515-532-27  
445 - 545 nm

**Green 2**  
**HCPCF-515-532-40**  
465 - 585 nm

NIR  
HCPCF-850-60  
700 - 1000 nm

NIR 2  
HCPCF-1030-1064-60  
800 - 1150 nm

SWIR  
HCPCF-1550-60  
1400 - 1750 nm

SWIR 2  
HCPCF-2000-60  
1850 - 2300 nm

