



# Hollow Core Photonic Crystal Fiber

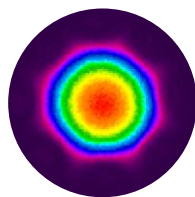
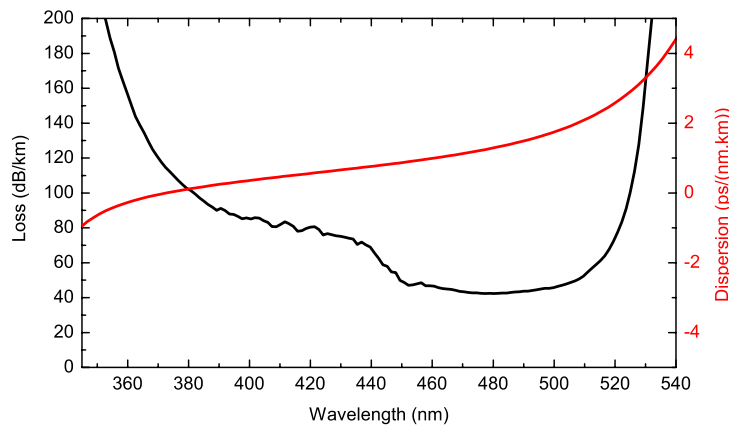
## PHYSICAL PROPERTIES

Inner Core Diameter..... **30 ± 3 μm**  
 Outer Fiber Diameter..... **200 ± 3 μm**  
 Fiber Coating Diameter..... **375 ± 50 μm**

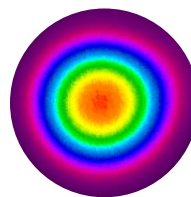
## OPTICAL PROPERTIES

Operating Wavelength..... **450 nm**  
 Attenuation @ 450 nm..... **< 80 dB/km**  
 Transmission Band (< 100 dB/km)..... **380-525 ± 25 nm**  
 Dispersion (Calculated)..... **[0.1 ; 2.9] ps/(nm.km)**  
 Numerical Aperture (Estimated)..... **0.020 ± 0.002**  
 Mode Field Diameter (Estimated)..... **23 ± 3 μm**

## 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

