



# Hollow Core Photonic Crystal Fiber

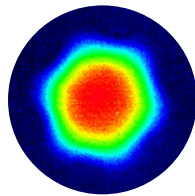
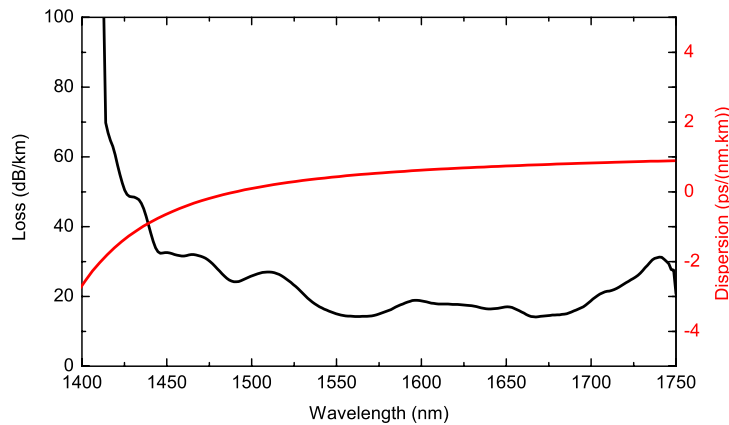
## PHYSICAL PROPERTIES

Inner Core Diameter..... **60 ± 3 μm**  
 Outer Fiber Diameter..... **300 ± 5 μm**  
 Fiber Coating Diameter..... **540 ± 50 μm**

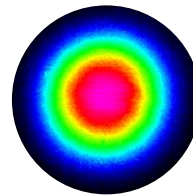
## OPTICAL PROPERTIES

Operating Wavelength..... **1550 nm**  
 Attenuation @ 1550 nm..... **< 50 dB/km**  
 Transmission Band (< 80 dB/km)..... **1400-1750 ± 50 nm**  
 Dispersion (Calculated)..... **[-2.5 ; 0.9] ps/(nm.km)**  
 Numerical Aperture (Estimated)..... **0.020 ± 0.002**  
 Mode Field Diameter (Estimated)..... **45 ± 3 μm**

## TYPICAL TRANSMISSION



**OUTPUT  
NEAR FIELD PROFILE**



**OUTPUT  
FAR FIELD PROFILE**

UV  
HCPCF-350-27  
315 - 395 nm

Blue  
HCPCF-450-30  
380 - 525 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  
1500 - 2375 nm

