

SPECIALTY FIBER HIGHLY NONLINEAR FIBERS

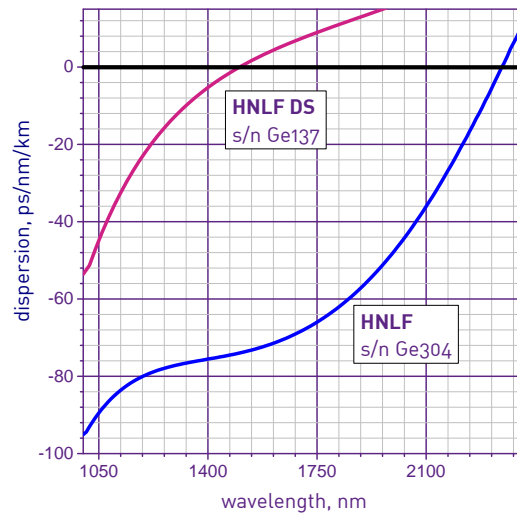


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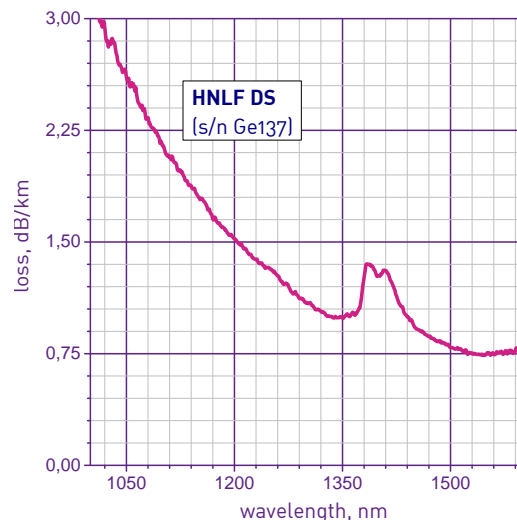
ARTICLE HNLF (s/n Ge304)

HNLF series is designed to maximize fiber nonlinearity and minimize optical loss, which makes such fibers optimal for constructing highly efficient Raman lasers and amplifiers, dispersion compensators and various non-linear devices.



ARTICLE HNLF DS (s/n Ge137)

HNLF DS series is designed for applications requiring a shift of the zero dispersion wavelength to the 1550 nm spectral region: supercontinuum generation, parametric conversion and etc.



FIBER SPECIFICATIONS	HNLF	HNLF DS
Core diameter, μm	4 ± 0.5	4.5 ± 0.5
Cutoff wavelength, μm	~ 1	~ 1.5
Dispersion @ 1550nm, ps/nm/km	> 50	± 4
ZDW,nm	> 2300	$1480 \div 1565$
Clad diameter, μm	125 ± 1	
Noncentricity, μm	< 0.5	
Core NA	~ 0.32	
Optical loss (1550 nm), dB/km	< 5	
MFD @1550, mkm	~ 4.2	

Other parameters including core NA > 0.6 (pure GeO_2 core) are available on the request