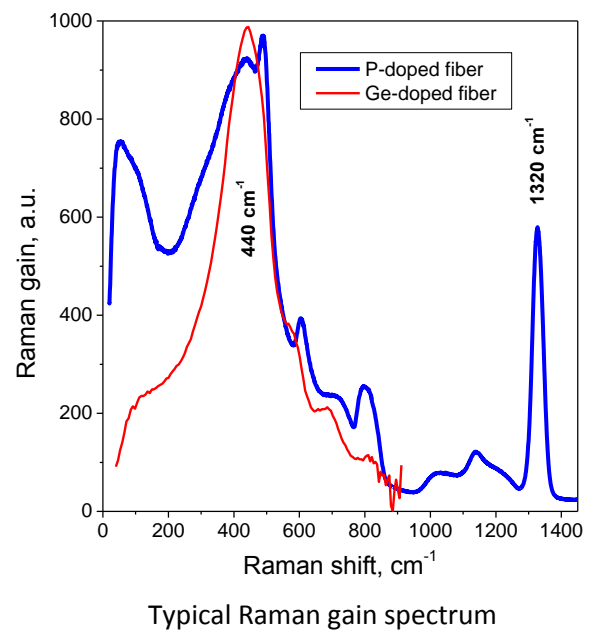
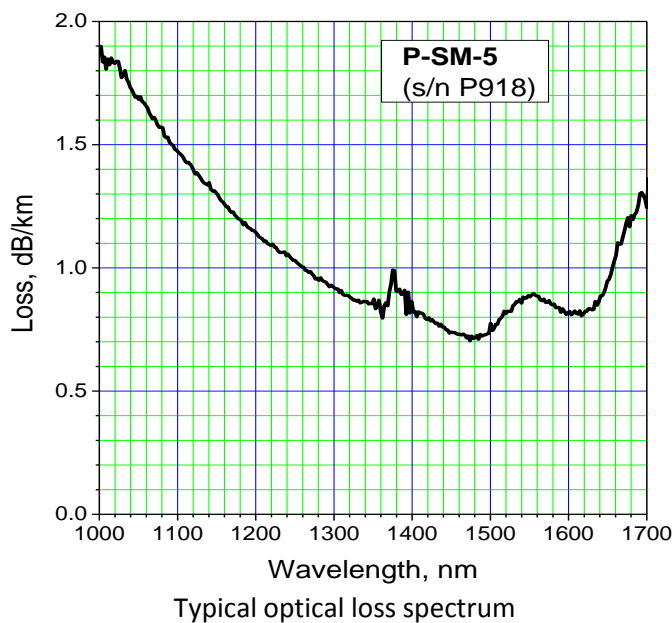


PHOSPHORUS DOPED FIBERS

Article P-SM-5 (s/n P918)

P-SM-5 series is specially designed for highly efficient Raman lasers and amplifiers operating in the 1.1-1.6 μm spectral range. The main advantage of phosphorus-doped fiber is a three times higher value of the Raman shift as compared to germanium-doped fibers. This feature allows one to strongly simplify the Raman fiber laser and amplifier design. For example, to construct a high-power laser @ 1480nm required for pumping Er-doped fibers, only two cascades of Raman wavelength transformation are necessary, whereas six cascades are necessary in the case of Ge-doped fibers. **REQUEST A FREE SAMPLE!**



Fiber specifications

Core Diameter	5 μm
Clad Diameter	125 μm
Nonconcentricity	< 1 μm
Core NA	~ 0.18
Cut-off wavelength	~ 1 μm
Raman gain	> 6 dB/km·W

Other parameters are available on the request