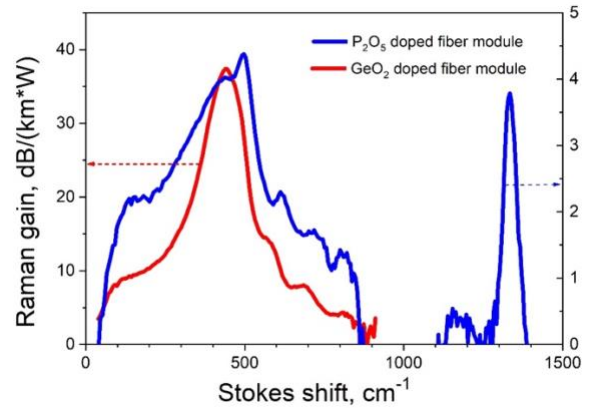


P-DOPED FIBERS MODULE

Phosphorus doped fiber module is designed for high efficiency Raman lasers and amplifiers operating in the 1.1-1.5 μm spectral range. The main advantage of this fiber module is a three times higher value of the Raman shift as compared to germanium-doped fibers. This feature greatly simplifies the design of Raman fiber lasers and amplifiers design by reducing the number of Raman wavelength conversion cascades. Greitlex offers the highest Raman gain P-doped fiber module on the market.



Pigtail article	OFM-PDF-XX	OFM-PDF-PM-XX
Core diameter, μm	4.8 ± 0.5	5.0 ± 1
Clad diameter, μm	125 ± 2	125 ± 1
Core NA	0.18 ± 0.01	0.17 ± 0.02
Cutoff wavelength, μm	1.0 ± 0.2	0.9 ± 0.2
Optical loss (1064 nm), dB/km	< 5	< 10
Optical loss (1240 nm), dB/km	< 5	< 10
Optical loss (1480 nm), dB/km	< 5	< 10
Raman gain (1240 nm), dB/km*W	> 8	> 6
Nonconcentricity, μm	< 1	< 1