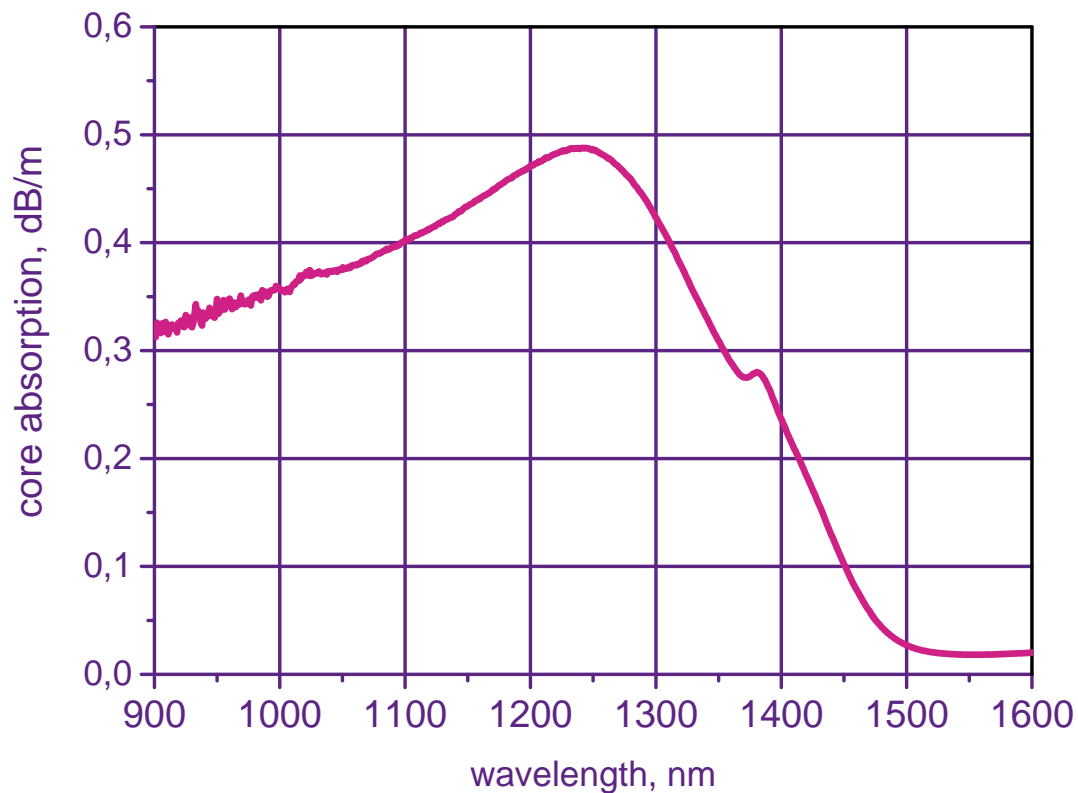


# SPECIALTY FIBER BISMUTH DOPED FIBER

Bi-P - CODOPED  
SINGLE MODE FIBER

## ARTICLE BPDF-SM-6/125-1320

Bismuth-Phosphorus codoped fiber BPDF-SM-6/125-1320 series is specially designed for typical application for amplifiers, lasers, superfluorescent fiber sources operating at 1270-1370nm.



FIBER SPECIFICATIONS	BPDF-SM-6/125-1320
Core diameter, $\mu\text{m}$	$5.6 \pm 0.6$
Clad diameter, $\mu\text{m}$	$125 \pm 5$
Core NA	$0.14 \pm 0.02$
Cutoff wavelength, $\mu\text{m}$	$1.05 \pm 0.05$
Core absorption (1240 nm), dB/m	$0.5 \pm 0.05$
Amplification range (-3dB), $\mu\text{m}$	$1.295 \div 1.340$
Typ. peak gain (@1320 nm), dB/m	$> 0.2$ ( $P_p < 350\text{mW}$ @ 1240 nm)
Typical laser eff-cy	$> 25\%$ (vs pump power at 1240 nm)

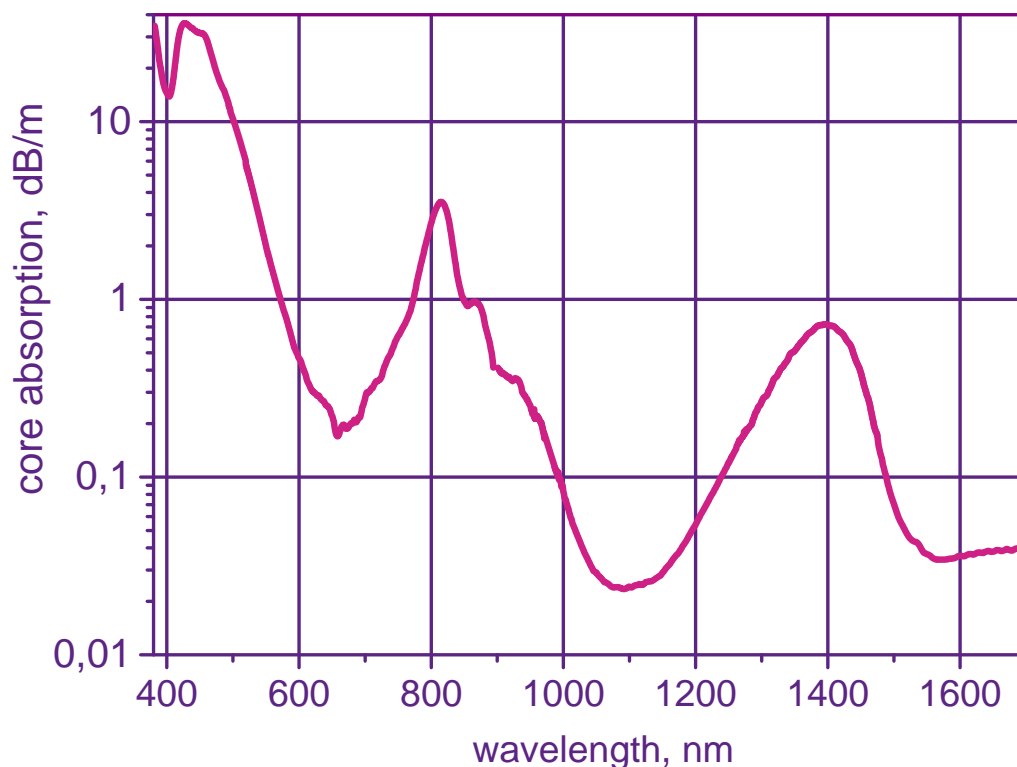
Other parameters are available on the request

# SPECIALTY FIBER BISMUTH DOPED FIBER

Bi-Ge - CODOPED  
SINGLE MODE FIBER

## ARTICLE BGDF-SM-7/125-1430

Bismuth-Germanium codoped fiber BGDF-SM-7/125-1430 series is specially designed for typical application for amplifiers, lasers, superfluorescent fiber sources operating at 1370-1490nm.



FIBER SPECIFICATIONS	BGDF-SM-7/125-1430
Core diameter, $\mu\text{m}$	$6.5 \pm 0.6$
Clad diameter, $\mu\text{m}$	$125 \pm 5$
Core NA	$0.14 \pm 0.02$
Cutoff wavelength, $\mu\text{m}$	$1.1 \pm 0.05$
Core absorption (1310 nm), dB/m	$0.3 \pm 0.05$
Amplification range (-3dB), $\mu\text{m}$	$1.41 \div 1.45$
Typ. peak gain (@1435 nm), dB/m	$> 0.2$ ( $P_p < 100\text{mW}$ @ 1310 nm)
Typical laser eff-cy	$> 50\%$ (vs pump power at 1310 nm)

Other parameters are available on the request