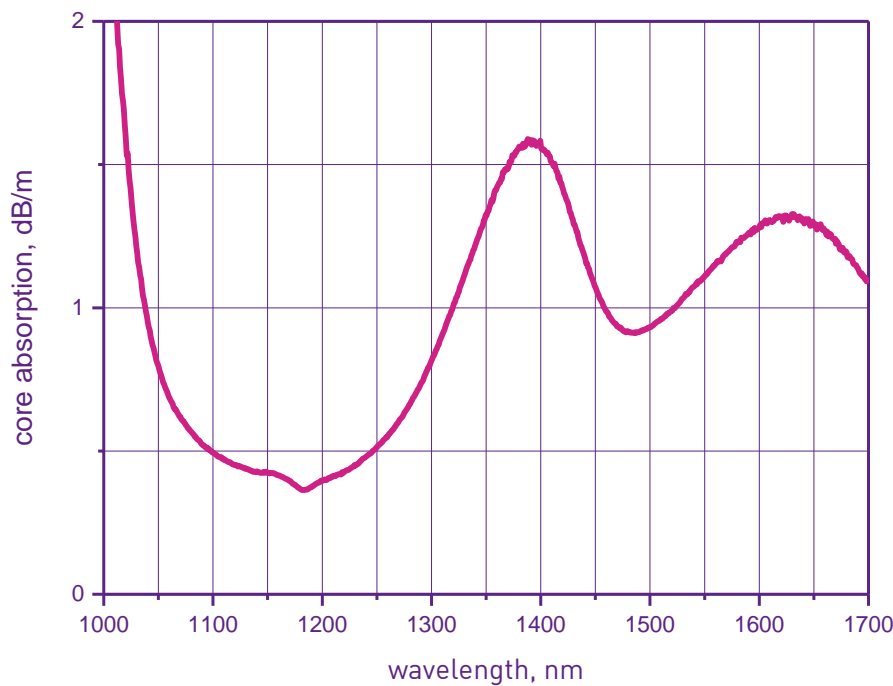


SPECIALTY FIBER BISMUTH DOPED FIBER

Bi-HiGe - CODOPED
SINGLE MODE FIBER

ARTICLE BDF-HiGe-SM-3/125-1710

Bismuth-Germanium codoped fiber BDF-HiGe-SM-3/125-1710 series is specially designed for typical application for amplifiers, lasers, superfluorescent fiber sources operating at 1650-1780nm.



FIBER SPECIFICATIONS	BDF-HiGe-SM-3/125-1710
Core diameter, μm	3.0 ± 0.6
Clad diameter, μm	125 ± 5
Coating diameter, μm	230 ± 20
Coating material type	Silicon rabber
Core NA	0.4 ± 0.06
Cutoff wavelength, μm	1.3 ± 0.15
Core absorption (1600 nm), dB/m	> 1
Amplification range (-3dB), μm	$1.65 \div 1.78$
Typ. peak gain (@1700 nm), dB/m	> 0.3 ($P_p \sim 200\text{mW}$ @ 1470 nm)
Typ. gain (@1650 ÷ 1750nm), dB/m	> 0.2 ($P_p \sim 200\text{mW}$ @ 1470 nm)
Typical laser eff-cy	$> 20\%$ (vs pump power at 1470 nm)
Splice loss with SMF28 (@1500nm), dB	~ 1.2

Other parameters are available on the request