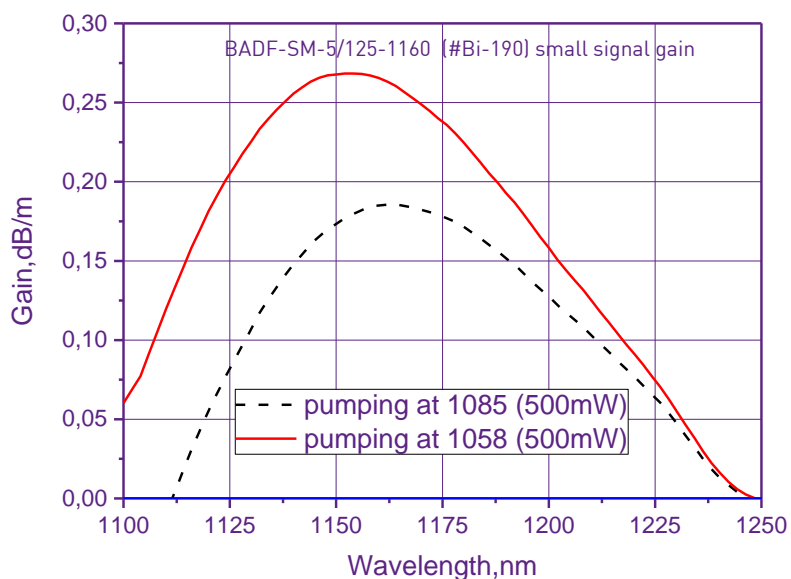


SPECIALTY FIBER BISMUTH DOPED FIBER

Bi-A - CODOPED
SINGLE MODE FIBER

ARTICLE BADF-SM-5/125-1160

Bismuth-Aluminum codoped fiber BADF-SM-5/125-1160 series is specially designed for typical application for amplifiers, lasers, superfluorescent fiber sources operating at 1125-1200nm.



FIBER SPECIFICATIONS	BADF-SM-5/125-1160
Core diameter, μm	4.6 ± 0.5
Clad diameter, μm	125 ± 5
Coating diameter, μm	250 ± 40
Coating material type	Silicon rubber
Core NA	0.14 ± 0.025
Cutoff wavelength, μm	1.0 ± 0.04
Core absorption (1070 nm), dB/m	0.75 ± 0.25
Amplification range (-3dB), nm	$1125 \div 1200$
Typ. peak gain (@1160 nm), dB/m	> 0.15 ($P_p < 500\text{mW}$ @ 1070 nm)
Pumping range, nm	$1050 \div 1090$
Typical laser eff-cy	$> 15\%$ (vs pump power at 1070 nm)
Splice loss with Hi1060 (@1070nm), dB	~ 0.2

Other parameters are available on the request