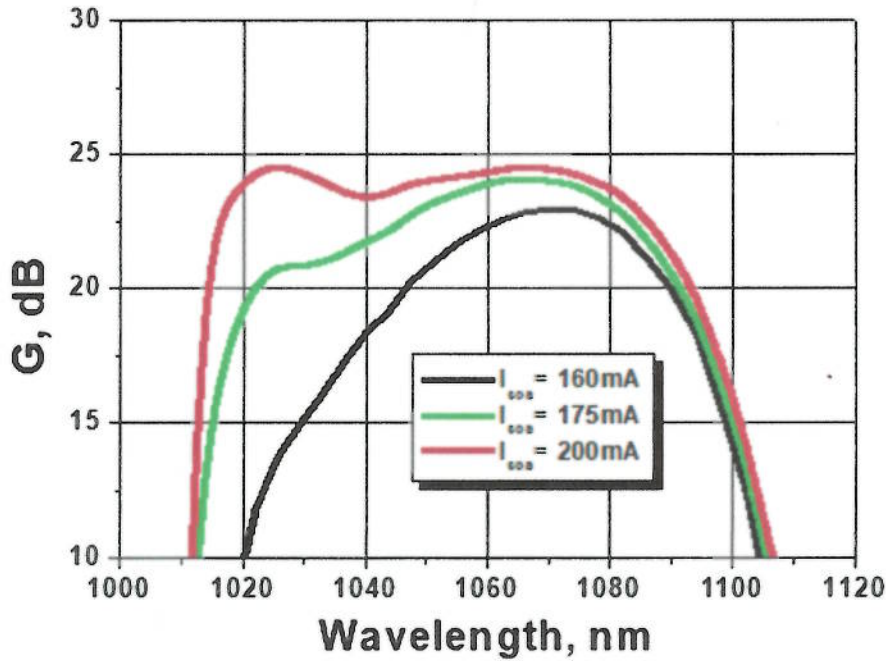




Test Date: 07.05.2024

# SOA- MODE

TYPICAL SMALL SIGNAL GAIN SPECTRUM  $I_{soa}$  @ T=25 C



ATTENTION: MAXIMUM PM FIBER OUTPUT POWER MUST NEVER EXCEED 20 mW

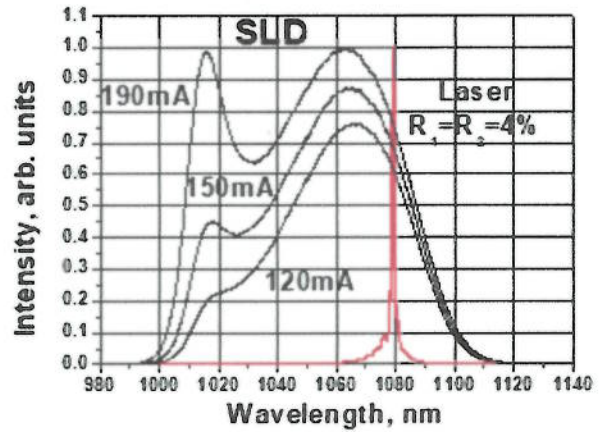
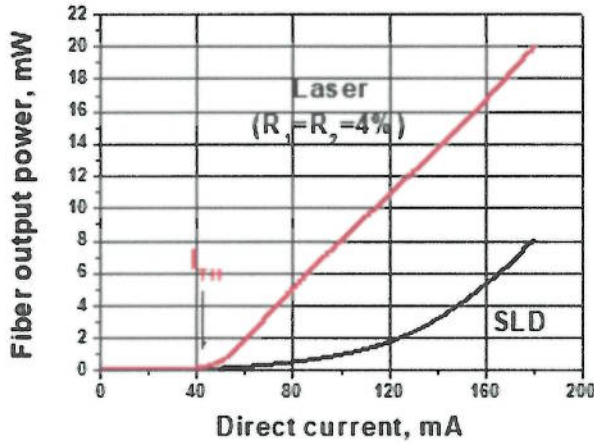
"Device Accepted"



Test Date: 07.05.2024

# SLD and LASER modes

TYPICAL LIGHT-CURRENT CHARACTERISTICS AND SPECTRA @ T=25 C



**MAXIMUM FORWARD CURRENT IN SLD MODE IS 250 mA**  
**MAXIMUM PM FIBER OUTPUT POWER IS 20 mW**

**PERFORMANCE PARAMETERS, SLD MODE @ T=25 °C**

Mode	Parameter	Unit	Specification	Test Data
0SLD- mode (angled fibers cleaves)	Forward current	mA	≤220	220.0
	Output power @ maximum spectral width (output port)	mW	≥3.0	4.1
	Output power @ maximum spectral width (input port)	mW	≥3.0	3.9
	Output to input ratio	%	≥80	95.1
	Center wavelength @ maximum forward current	nm	1035-1065	1051.3
	Center wavelength @ 130 mA	nm	1055-1073	1062.2
	ASE 3dB bandwidth @ maximum forward current	nm	≥50	62.2
	ASE 3dB bandwidth @ 130mA	nm	≥40	48.4
	Spectral ripple	%	≤5.0	1.4
	Polarization extinction ratio @output	dB	≥10	12.4
	Polarization extinction ratio @input	dB	≥10	16.6
	Forward voltage @ maximum forward current	V	≤2.2	1.760

\* "Equalized" spectral maxima

"Device Accepted"

PRODUCTION DATE: 07.05.2024

P/N: SOA-542-DBUT-PM (Rev.E)

S/N: # K004997