



TRIAD TECHNOLOGY INC.

FIBER COUPLED SLD SOURCE DATA SHEET



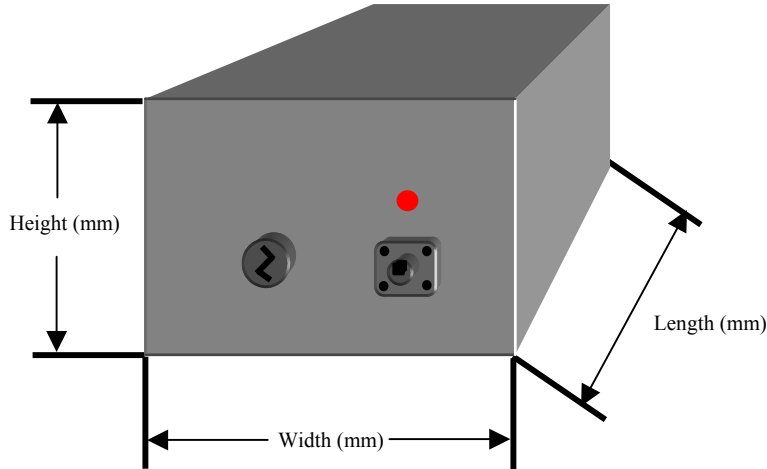
Triad Technology's Super Luminous Diode, SLD, light sources covers the wavelength range from 1500 to 1660nm. These SLD devices are single mode fiber coupled with FC or APC fiber connector. The SLD devices are mounted to an internal printed circuit board. The printed circuit board provides heat sinking, as well as a diode current driver, and temperature controller. The broadband SLD system has a key switch on the front panel and LED power on indicator. The rear panel contains a laser interlock connector as well as power input. Other wavelength ranges are also so available. Please call or email us with your requirements.



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Physical Dimensions:



Height: 25mm
 Width: 60mm
 Length: 75mm

Optical Properties:

	Peak Wavelength	Power into Single Mode Fiber	FWHM Bandwidth	10dB Bandwidth
SLD1:	1550nm +/- 20	≈8mW	30 – 40nm	60nm +/- 10
SLD2:	1620nm +/- 20	≈7mW	35 – 55nm	80nm +/- 15

Fiber Connector Type:

Fiber Type: Single Mode SMF-28
 Length of Fiber: 1.0 m ± 0.1m standard
 Output Connector Types: FC/APC standard (Other connector also available)

Environmental Properties

Operating Temperature: 10 to 35°C
 Storage Temperature: -10 to 50°C

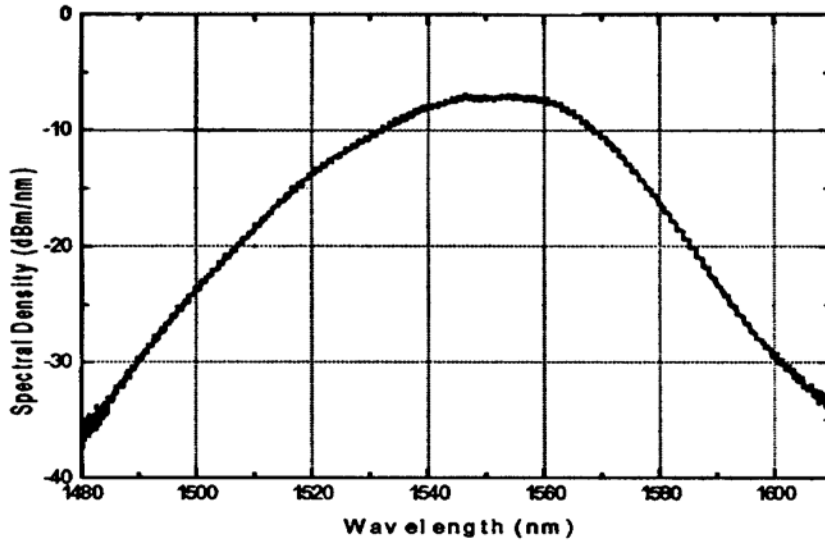


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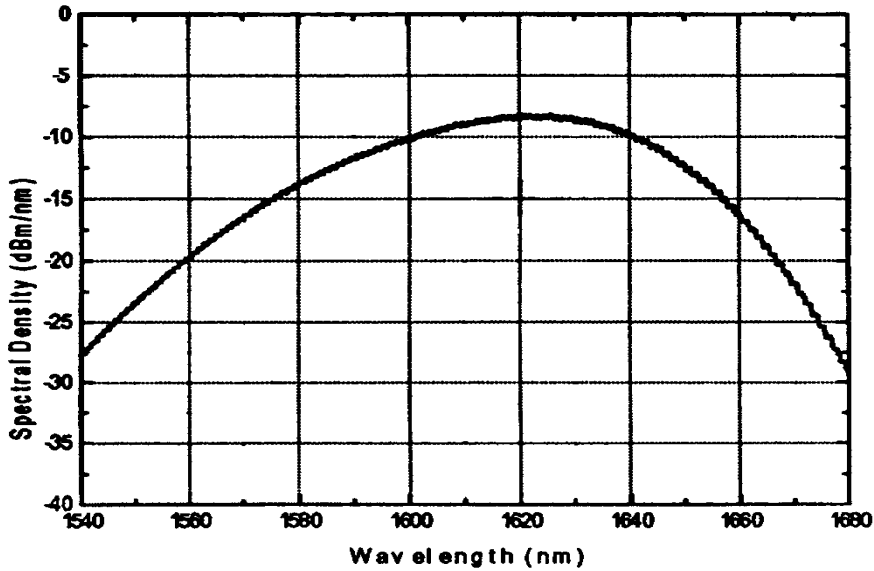
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Typical Emission Curves

SLD1:



SLD2:



<u>Part Number</u>	<u>Center Wavelength (nm)</u>	<u>Emission Bandwidth</u>
TT-SLD1-APC-E	1550nm	30nm – 40nm
TT-SLD2-APC-E	1620nm	35nm – 55nm