

Pigtailed Laser Diode, SMF

LP685-SF15

Description

Thorlabs' Single Mode Pigtailed Laser Diodes are standard TO-packaged diodes that have been pigtailed to a 1 m long single mode fiber with an FC/PC connector. Each unit is tested before shipment; please refer to the unit-specific test datasheet for optimal operating parameters.



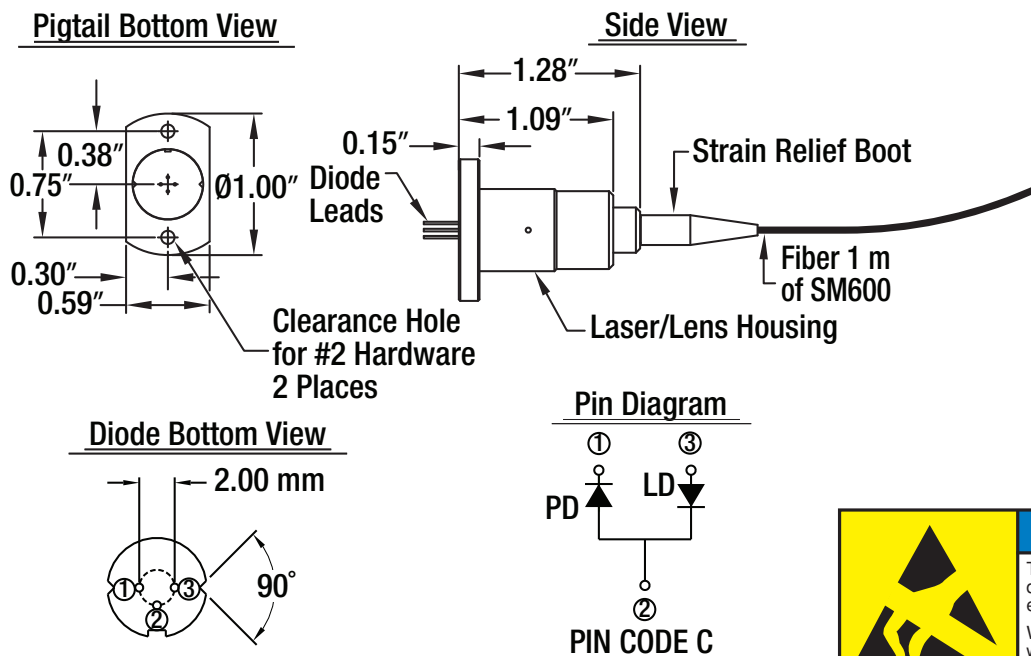
Specifications

Specification	Value
LD Reverse Voltage (Max)	2 V
PD Reverse Voltage (Max)	20 V
Optical Output Power	15 mW (Typ.) 20 mW (Max)
Operating Temperature	0 to +50 °C
Storage Temperature	-10 to +65 °C
Pin Code	5C
Fiber	SM600
Connector	FC/PC

Specification	Min	Typ.	Max
Wavelength	680 nm	685 nm	690 nm
Threshold Current*	-	30 mA	40 mA
Slope Efficiency*	0.4	0.6	-
Operating Current @ P _O = 15 mW*	-	55 mA	80 mA
Operating Voltage @ P _O = 15 mW*	-	2.1 V	2.5 V
Monitor Current @ P _O = 15 mW*	0.05 mA	0.10 mA	0.20 mA

*Temperature = 25 °C

Drawings



NOTICE

To avoid equipment damage from electrostatic discharge: Wear ESD wriststrap when handling this device.

USA, Canada, and South America

Thorlabs, Inc.
435 Route 206
Newton, NJ 07860, USA

Tel: 973-579-7227
Fax: 973-300-3600

Europe

Thorlabs GmbH
85221 Dachau, Germany
Tel: +49-(0)8131-5956-0

Scandinavia

Thorlabs Sweden AB
400 20 Göteborg, Sweden
Tel: +46-31-733-30-00

UK and Ireland

Thorlabs LTD.
Cambridgeshire CB7 4EX, GB
Tel: +44 (0)1353-654440

Japan and Asia

Thorlabs Japan Inc.
Toshima-ku, Tokyo 170-0013, Japan
Tel: +81-3-5979-8889

France

Thorlabs SAS
78600 Maisons-Laffitte, France
Tel: +33 (0) 970 444 844

China

Thorlabs China
Shanghai, China
Tel: +86 (0)21-32513486

