



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

LPS-635-FC Specifications		
LD Reverse Voltage (Max)	2 V	
PD Reverse Voltage (Max)	30 V	
Optical Output Power	2.5 mW (Typ.)	3.5 mW (Max)
Operating Temperature	0 to 50 °C	
Storage Temperature	-10 to 65 °C	
Pin Code	9A	
Laser Diode	HL6320G	
Fiber	SM600	
Connector	FC/PC	

LPS-635-FC Specifications			
	Min	Typ.	Max
Wavelength	625 nm	635 nm	640 nm
Threshold Current*	20 mA	50 mA	75 mA
Slope Efficiency*	0.13 mW/mA	0.18 mW/mA	-
Operating Current @ $P_o = 2.5$ mW*	-	70 mA	95 mA
Operating Voltage @ $P_o = 2.5$ mW*	-	2.2 V	2.7 V
Monitor Current @ $P_o = 2.5$ mW*	0.05 mA	0.17 mA	0.3 mA

*Temperature = 25 °C

Drawing

