



LPSC-1625-FC

### 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

LPSC-1625-FC Specifications		
LD Reverse Voltage (Max)	2 V	
PD Reverse Voltage (Max)	-	
Optical Output Power	50 mW (Typ.)	60 mW (Max)
Operating Temperature	0 to 50 °C	
Storage Temperature	-10 to 65 °C	
Pin Code	5E	
Laser Diode	FPL1054T	
Fiber	SMF-28-J9	
Connector	FC/PC	

LPSC-1625-FC Specifications			
	Min	Typ.	Max
Wavelength	1605 nm	1625 nm	1645 nm
Threshold Current*	-	45 mA	55 mA
Slope Efficiency*	0.1 mW/mA	-	-
Operating Current @ $P_0 = 50 \text{ mW}^*$	-	350 mA	500 mA
Operating Voltage @ $P_0 = 50 \text{ mW}^*$	-	1.5 V	2.0 V

\*Temperature = 25 °C

### Drawing

