



LPSC-1550-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-1550-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	
Laser Diode	FPL1055T	
Pin Code	5E	
Fiber	SMF-28-J9	
Connector	FC/PC	

LPSC-1550-FC Specifications			
	Min	Typ.	Max
Wavelength	1530 nm	1550 nm	1570 nm
Threshold Current*	-	40 mA	50 mA
Slope Efficiency*	0.10 mW/mA	0.16 mW/mA	-
Operating Current @ $P_0 = 50$ mW*	-	250 mA	500 mA
Operating Voltage @ $P_0 = 50$ mW*	-	1.5 V	2 V

*Temperature = 25 °C

Drawing

