



LP642-SF20

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

LP642-SF20 Specifications		
LD Reverse Voltage (Max)	2 V	
PD Reverse Voltage (Max)	20 V	
Optical Output Power	20 mW (Typ.)	25 mW (Max)
Operating Temperature	0 to 50 °C	
Storage Temperature	-10 to 65 °C	
Pin Code	5A	
Fiber	SM600	
Connector	FC/PC	

LP642-SF20 Specifications			
	Min	Typ.	Max
Wavelength	635 nm	642 nm	645 nm
Threshold Current*	-	65 mA	80 mA
Slope Efficiency*	0.25	0.4	-
Operating Current @ $P_0 = 20$ mW*	-	90 mA	140 mA
Operating Voltage @ $P_0 = 20$ mW*	-	2.5 V	2.7 V
Monitor Current @ $P_0 = 20$ mW*	0.2 mA	0.36 mA	0.6 mA

*Temperature = 25 °C

Drawing

