



LP405-SF10

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

LP405-SF10	
LD Reverse Voltage (Max)	5 V
PD Reverse Voltage (Max)	30 V
Optical Output Power	10 mW (Typ) 12 mW (Max)
Operating Temperature	0 to 50 °C
Storage Temperature	0 to 50 °C
Pin Code	5B
Fiber	S405-XP
Connector	FC/PC



LP405-SF10			
	Min	Typical	Max
Wavelength	395 nm	405 nm	415 nm
Threshold Current*	-	20 mA	30 mA
Slope Efficiency*	0.2 W/A	0.25 W/A	-
Operating Current @ P _o = 10 mW*	-	50 mA	60 mA
Operating Voltage @ P _o = 10 mW*	-	5.0 V	5.5 V
Monitor Current @ P _o = 10 mW*	0.4 mA	1.4 mA	2.0 mA

*Temperature = 25 °C

Drawing

