

# Diodă laser, 780nm, 5mW, diametru 5.6mm

## coduri de produs:

Referință: AM5295

EAN13: -

UPC: 90132000

## Caracteristicile produsului:

Culoarea luminii: Infraroșu

Lungime de undă: 780 nm

Tensiune: 1,9-2,3 V DC

Locuințe: TO-18

Acoperi: IP20

Durata de viata: 5.000 de ore



## Atributele produsului:

## Descriere produs:

Diodă laser cu lungimea de undă 785nm și putere 5mW.

lungime de undă 780nm

tensiune 1.9-2-3V

curent 26-40mA

grad de protecție IP20

temperatura de lucru -10 - 50 °C

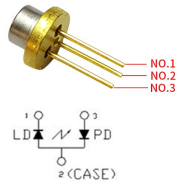
dimensiuni 5.6x5.6x 10 mm

preț pentru 1 buc

conexiune pin: pin nr.2 (carcasă)=ANOD, pin nr.1=catod LD, pin nr.3=anod PD

## Galerie de produse:

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◆ ABSOLUTE MAXIMUM RATINGS

Items	Symbol	Values	Unit
Optical Output Power	P <sub>o</sub>	7	mW
Laser Diode Reverse Voltage	V <sub>r</sub>	2	V
Photo Diode Reverse Voltage	V <sub>r</sub>	30	V
Operating Temperature	T <sub>op</sub>	-10 ~ 40	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ 100	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS

Items	Symbol	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P <sub>o</sub>	-	3	-	mW	-
Threshold Current	I <sub>th</sub>	-	15	30	mA	-
Operating Current	I <sub>op</sub>	-	20	40	mA	Forward
Operating Voltage	V <sub>op</sub>	1.8	2.3	3.0	V	Forward
Rise/Fall Time	t <sub>r</sub> /t <sub>f</sub>	0.5	0.4	2.0	ns	Photo-Forward
Leakage Wavelength	λ <sub>l</sub>	700	800	900	nm	Forward
Beam Divergence	θ	0.1	0.5	10	mrad	Forward
		0.2	20	40	mrad	Reverse
Beam Angle	α	0.1	-	0.15	mrad	Forward
		0.1	-	0.25	mrad	Reverse
Refractive Coefficient	n <sub>c</sub>	0.1	0.1	0.6	nm	Forward
Optical Distance	L <sub>LD, LD, PD</sub>	-	-	100	μm	Forward
Alignment	Δx	-	-	15	μm	Forward