

# Laserska dioda, 780nm, 5mW, promjer 5.6mm

## Šifre proizvoda:

Šifra proizvoda: AM5295

EAN13: -

HS kód: 90132000

## Parametri proizvoda:

Boja svjetla: Infracrveni

Valna duljina: 780 nm

Napetost: 1,9-2,3 V DC

Kućište: TO-18

Pokriti: IP20

Vijek trajanja: 5000 sati



## Varijante proizvoda:

## Opis proizvoda:

Laserska dioda valne duljine 785nm i snage 5mW.

valna duljina 780nm

napon 1,9-2-3V

struja 26-40mA

stupanj zaštite IP20

radna temperatura -10 - 50 °C

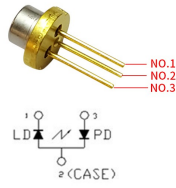
dimenzija 5,6x5,6x 10 mm

cijena za 1 komad

Spajanje pinova: pin br. 2 (kućište) = ANODA, pin br. 1 = katoda LD, pin br. 3 = anoda PD

## Galerija:

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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	Modulated
Leakage Wavelength	λ <sub>l</sub>	700	800	900	nm	Forward
Beam Divergence	θ	0.1	8	35	mrad	Forward
		0.2	20	40	mrad	Reverse
Beam Angle	α	0.1	-	0.15	mrad	Forward
		0.1	-	0.15	mrad	Reverse
Monitor Current	I <sub>m</sub>	0.1	0.5	1.0	mA	Forward
Optical Distance	L <sub>LD, LD, PD</sub>	-	-	100	μm	Forward
Alignment	Δx	-	-	15	μm	Forward