

# Laserska dioda, 980nm, 50mW, promjer 5.6mm

## Šifre proizvoda:

Šifra proizvoda: AM4872

EAN13: -

HS kód: 90132000

## Parametri proizvoda:

Boja svjetla: Infracrveni

Valna duljina: 980 nm

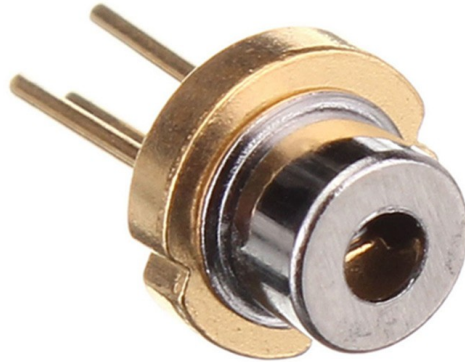
Napetost: 1,6-2,1 V DC

Izvođenje: 50 mW

Kućište: TO-18

Pokriti: IP20

Vijek trajanja: 5000 sati



## Varijante proizvoda:

## Opis proizvoda:

Laserska dioda valne duljine 980nm i snage 10mW.

valna duljina 980nm

napon 1,6-2,1V

reverzni napon 2V

struja 78-82mA

stupanj zaštite IP20

radna temperatura -10 - 50 °C

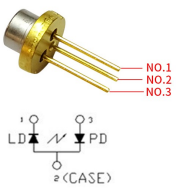
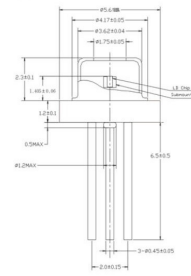
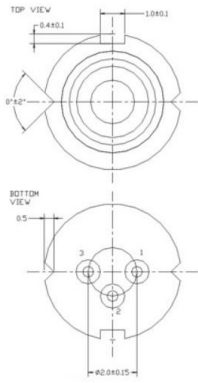
dimenzija 5,6x5,6x 10 mm

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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■ Electrical and optical Characteristics (25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Current	$I_F$	—	—	20	30	mA
Operating Current	$I_O$	Per-Rev. ①	—	75	85	mA
Forward Voltage	$V_F$	Per-Rev. ①	—	1.8	2.2	V
Power	$P_{LED}$	Per-Rev. ①	—	—	—	mW
Efficiency	$\eta$	Per-Rev. ①	—	—	—	%
Wavelength	$\lambda$	Per-Rev. ①	—	625	635	nm
Viewing Angle (Half-Maximum)	$\theta_{1/2}$	Per-Rev. ①	—	120	140	deg.
Beam Spread	$\theta_{BS}$	Per-Rev. ①	—	28	35	deg.
Peak Emission Angle	$\theta_{PA}$	Per-Rev. ①	—	—	—	deg.
Forward Emission Angle	$\theta_{FA}$	Per-Rev. ①	—	—	—	deg.
Reverse Breakdown Voltage	$V_{BR}$	Per-Rev. ①	—	—	—	V
Reverse Power Dissipation	$P_{R}$	Per-Rev. ①	—	—	—	mW
Leakage Current	$I_{LR}$	Per-Rev. ①	—	—	—	mA

① As defined by contract and

■ Electrical and optical Characteristics (25°C)

Parameter	Symbol	Rating	Unit
Wavelength	$\lambda$	635nm	nm
Light Output	$P_{LED}$	50mW	mW
Forward Voltage	$V_F$	1.8V	V
Operating Temperature	$T_{OP}$	-30 to +85	°C
Storage Temperature	$T_{STG}$	-40 to +100	°C

① As defined by contract and