

# Laserová dióda, 980nm, 50mW, priemer 5.6mm

## Kódy produktov:

Kód produktu: AM4872

EAN13: -

HS kód: 90132000

## Parametry produktu:

Farba svetla: Infračervená

Vlnová dĺžka: 980 nm

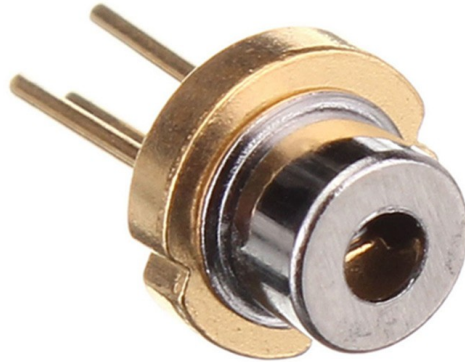
Napätie: 1,6-2,1 V DC

Výkon: 50 mW

Puzdro: TO-18

Krytie: IP20

Životnosť: 5 000 hodín



## Varianty produktu:

## Popis produktu:

Laserová dióda s vlnovou dĺžkou 980nm a výkonom 10mW.

vlnová dĺžka 980nm

napätie 1.6-2.1V

reverzné napätie 2V

prúd 78-82mA

stupeň krytia IP20

pracovná teplota -10 - 50 °C

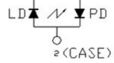
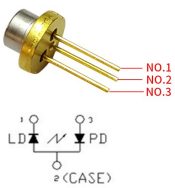
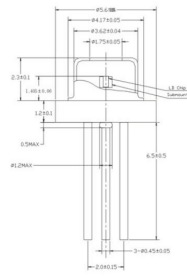
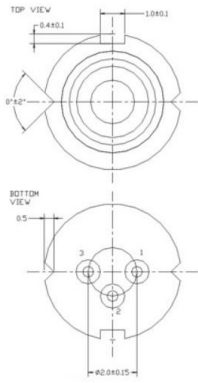
veľkosť 5.6x5.6x 10 mm

cena za 1 Ks

Zapojenie pinov: pin č.2 (case)=ÁNODA, pin č.1=katóda LD, pin č.3=anóda PD

## Galerie:

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Parameter	Symbol	Condition	Min	Typ	Max	Unit
Threshold Current	$I_{th}$		10	20	30	mA
Operating Current	$I_{op}$	Per-Data	1	7	82	mA
Operating Voltage	$V_{op}$	Per-Data	1.4	2.2	3.0	V
Power	$P_{out}$	Per-Data	0.5	0.8	-	mW
Efficiency	$\eta$	Per-Data	0.5	0.8	-	%
Wavelength	$\lambda$	Per-Data	650	650	650	nm
Wavelength Spread	$\Delta\lambda$	Per-Data	1	1.5	2.0	nm
Beam Divergence	$\theta$	Per-Data	20	25	40	deg
Beam Diameter	$\phi$	Per-Data	2	3	4	mm
Forward Current	$I_F$	Per-Data	10	20	30	mA
Forward Voltage	$V_F$	Per-Data	1.4	2.2	3.0	V
Reverse Bias Voltage	$V_{R}$	Per-Data	0	0	0	V
Leakage Current	$I_{R}$	Per-Data	100	100	100	nA

Parameter	Symbol	Rating	Unit
Operating Current	$I_{op}$	20	mA
Power	$P_{out}$	0.8	mW
Wavelength	$\lambda$	650	nm
Operating Temperature	$T_{op}$	-40 to +85	°C
Storage Temperature	$T_{stg}$	-55 to +100	°C