

# Laserdiode, 980nm, 50mW, diameter 5,6mm

## Produktkoder:

Produktkode: AM4872

EAN13: -

HS-kode: 90132000

## Produktparametre:

Farve af lys: Infrarød

Bølgelængde: 980 nm

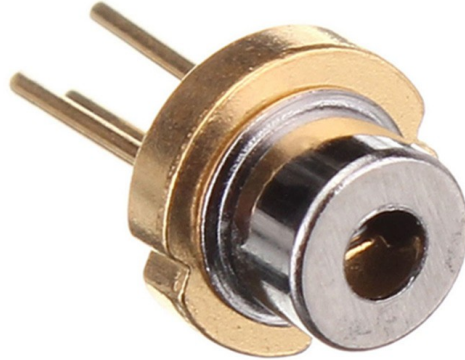
Spænding: 1,6-2,1 V DC

Ydeevne: 50 mW

Sag: TO-18

Dækning: IP20

Livstid: 5.000 timer



## Produktvarianter:

## Produktbeskrivelse:

Laserdiode med en bølgelængde på 980nm og en effekt på 10mW.

bølgelængde 980nm

spænding 1,6-2,1V

omvendt spænding 2V

strøm 78-82mA

kapslingsgrad IP20

arbejdstemperatur -10 - 50 °C

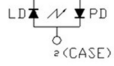
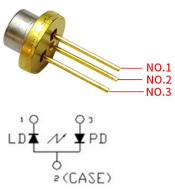
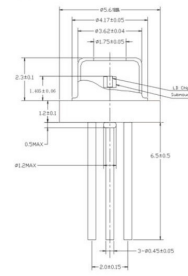
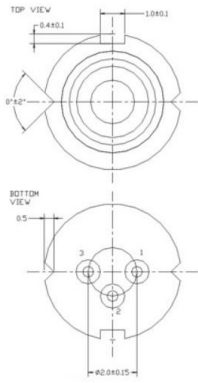
størrelse 5,6x5,6x 10 mm

pris for 1 stk

Bentilslutning: ben nr. 2 (hus) = ANODE, ben nr. 1 = katode LD, ben nr. 3 = anode PD

## Galleri:

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Parameter	Symbol	Condition	Min	Typ	Max	Unit
Threshold Current	$I_{th}$		10	20	30	mA
Operating Current	$I_{op}$	Per-Device	1	75	85	mA
Operating Voltage	$V_{op}$	Per-Device	1	1.4	2.2	V
Power	$P_{out}$	Per-Device	0.5	0.8	-	mW
Efficiency	$\eta$	Per-Device	0.5	0.8	-	%
Wavelength	$\lambda$	Per-Device	1	62	62	nm
Wavelength Spread	$\Delta\lambda$	Per-Device	1	12	12	nm
Beam Divergence	$\theta$	Per-Device	28	35	45	deg
Beam Diameter	$\phi$	Per-Device	2	1	1	mm
Forward Current	$I_F$	Per-Device	1	1	1	mA
Forward Voltage	$V_F$	Per-Device	1	1	1	V
Reverse Bias Voltage	$V_R$	Per-Device	1	1	1	V
Leakage Current	$I_{R}$	Per-Device	1	1	1	mA

Parameter	Symbol	Rating	Unit
Operating Current	$I_{op}$	80	mA
Power	$P_{out}$	0.8	mW
Wavelength	$\lambda$	62	nm
Operating Temperature	$T_{op}$	100	°C
Storage Temperature	$T_{stg}$	100	°C