

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

Produktkode: AM4872

EAN13: -

HS-kode: 90132000



## Produktvarianter:

## Produktparametre:

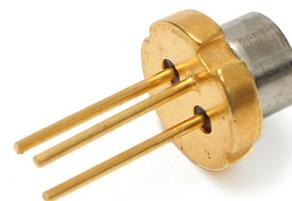
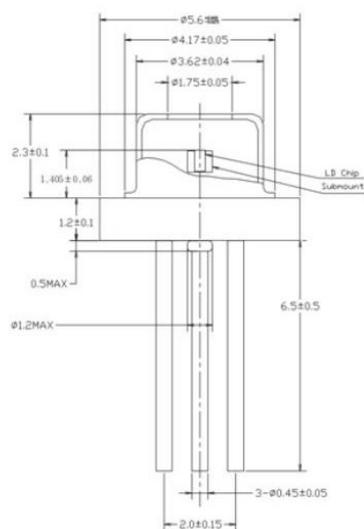
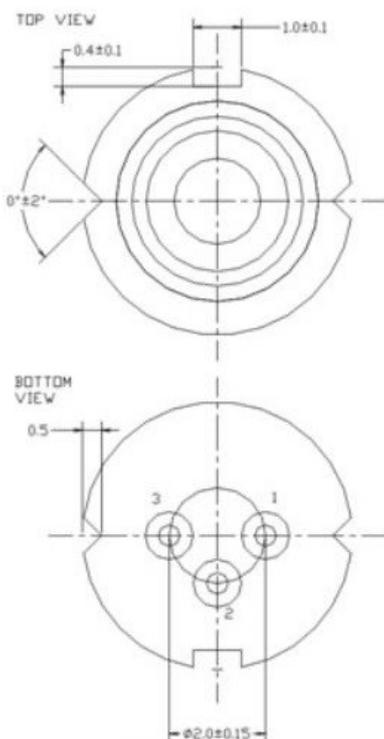
Farve af lys: Infrarød  
Bølgelængde: 980 nm  
Spænding: 1,6-2,1 V DC  
Ydeevne: 50 mW  
Sag: TO-18  
Dækning: IP20  
Livstid: 5.000 timer

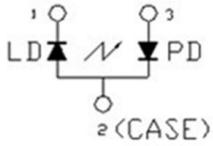
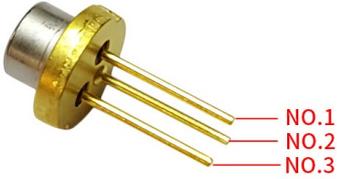
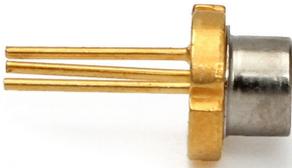
## Produktbeskrivelse:

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





■ Electrical and optical Characteristics(Tc=25°C)			DN3		φ(CASE)	
Parameter	Symbols	Conditions	Min	Typ	Max	Units
Threshold Current	I <sub>th</sub>	-	-	20	30	mA
Operating Current	I <sub>op</sub>	Po=50mW	-	78	82	mA
Operating Voltage	V <sub>op</sub>	Po=50mW	-	1.6	2.1	Volts
Slope		30mW-10mW				
Efficiency	η	10mW-10mW	0.5	0.8	-	mW/mA
Monitor Current	I <sub>m</sub>	Po=50mW	-	0.2	0.8	mA
Beam Divergence (FWHM)	θ	Po=50mW	8	12	14	deg
	Parallel					
	Perpendicular		30	35	40	deg
Parallel Deviation Angle	Δθ <sub>  </sub>	Po=50mW	-3	-	3	deg
Perpendicular Deviation Angle	Δθ <sub>⊥</sub>	Po=50mW	-3	-	3	deg
Emission Point Accuracy	ΔX, ΔY, ΔZ	Po=50mW	-80	-	80	um
Lasng Wavelength	λ <sub>p</sub>	Po=50mW	965	980	995	nm

I<sub>m</sub> is sorting by custom's need

**HLD980050N4T 980nm 50mW 40°C Laser Diodes**

■ Specifications  
 Wavelength: 980nm  
 Light Output: 50mW CW  
 Package Type: TO-18(φ 5.6mm)

■ Absolute Maximum Ratings (Tc=25°C)			
Parameter	Symbols	Ratings	Units
Optical Output	Po(CW)	50	mW
Reverse Voltage	V <sub>r</sub> (Laser)	2	V
Voltage	V <sub>r</sub> (PIN PD)	30	V
Operating Temperature	T <sub>op</sub>	-10 ~ +40	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +80	°C

■ Electrical and optical Characteristics(Tc=25°C)

