

Laserová dioda, 980nm, 50mW, průměr 5.6mm

Kód produktu: AM4872
EAN13: -
HS kód: 90132000



Varianty produktu:

Parametry produktu:

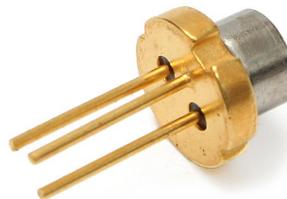
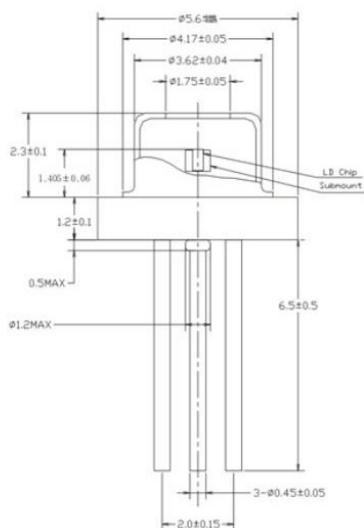
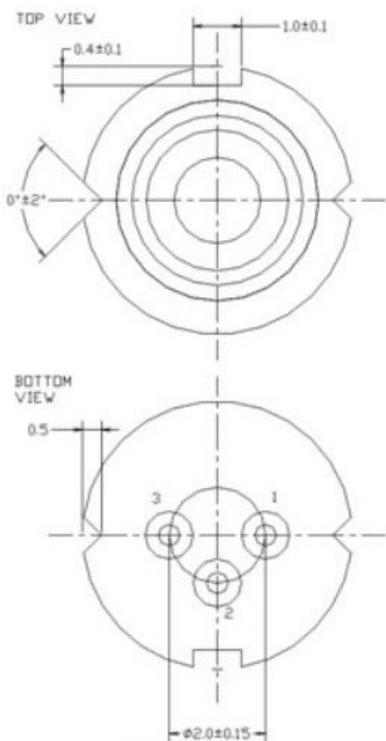
Barva světla: Infračervená
Vlnová délka: 980 nm
Napětí: 1,6-2,1 V DC
Výkon: 50 mW
Pouzdro: TO-18
Krytí: IP20
Životnost: 5 000 hodin

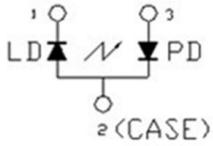
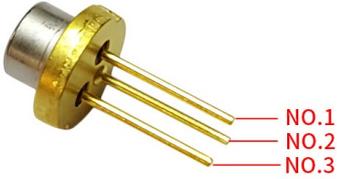
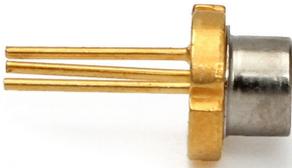
Popis výrobku:

Laserová dioda s vlnovou délkou 980nm a výkonem 10mW.

vlnová délka 980nm
napětí 1.6-2.1V
reverzní napětí 2V
proud 78-82mA
stupeň krytí IP20
pracovní teplota -10 - 50 °C
velikost 5.6x5.6x 10 mm
cena za 1 Ks

Zapojení pinů: pin č.2 (case)=ANODA, pin č.1=katoda LD, pin č.3=anoda PD





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

I_m 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 _r (Laser)	2	V
Voltage	V _r (PIN PD)	30	V
Operating Temperature	T _{op}	-10 ~ +40	°C
Storage Temperature	T _{stg}	-40 ~ +80	°C

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

