

Laserdiode, 980 nm, 50 mW, Durchmesser 5,6 mm

Artikel-Nr.: AM4872

EAN13: -

HS kód: 90132000

Produktvarianten:

Produktparameter:

Helle Farbe: Infrarot

Wellenlänge: 980 nm

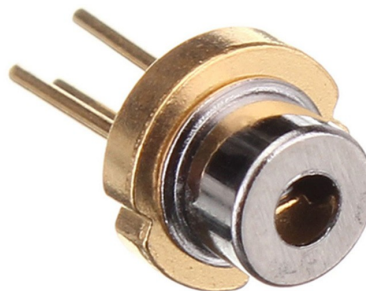
Spannung: 1,6-2,1 V DC

Leistung: 50 mW

Gehäuse: TO-18

Abdeckung: IP20

Lebensspanne: 5.000 Stunden



Beschreibung des Produkts:

Laserdiode mit einer Wellenlänge von 980 nm und einer Leistung von 10 mW.

Wellenlänge 980nm

Spannung 1,6-2,1V

Sperrspannung 2V

Strom 78-82mA

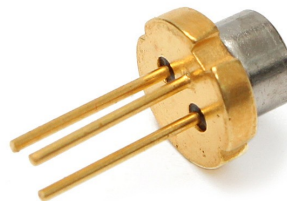
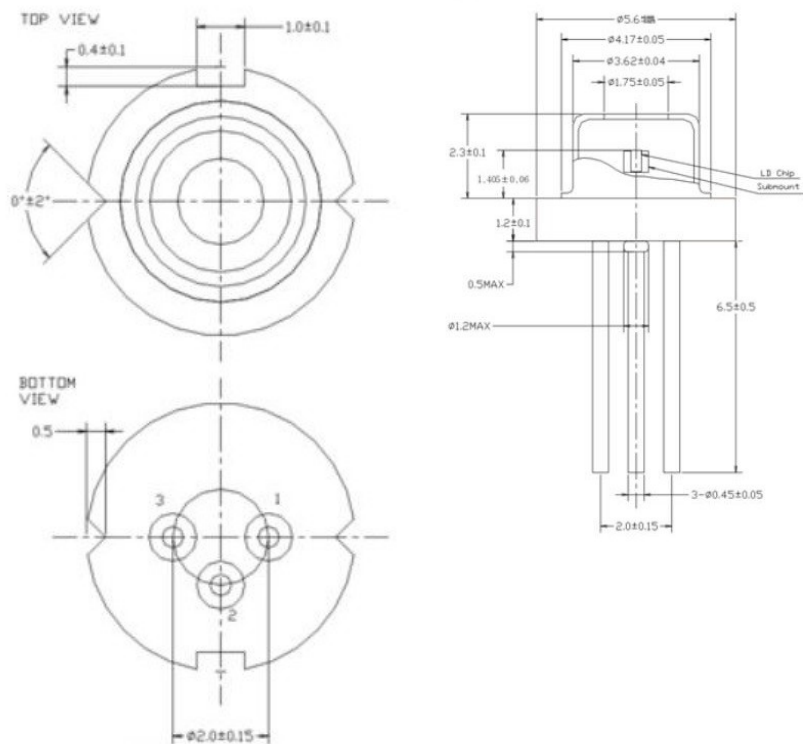
Schutzart IP20

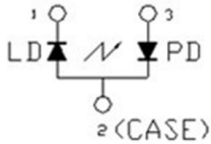
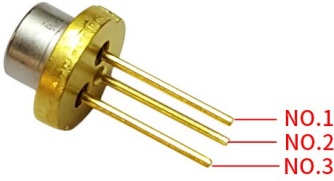
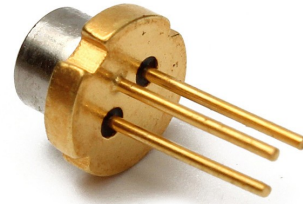
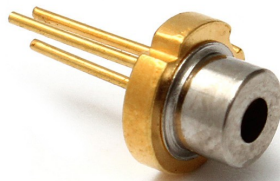
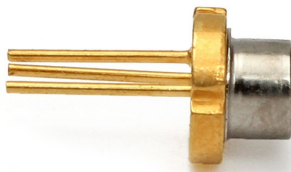
Arbeitstemperatur -10 - 50 °C

Größe 5,6x5,6x 10 mm

Preis für 1 Stück

Pin-Belegung: Pin Nr. 2 (Gehäuse) = ANODE, Pin Nr. 1 = Kathode LD, Pin Nr. 3 = Anode PD





■Electrical and optical Characteristics(Tc=25℃)				[N]		*(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	
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	um	
Lasing Wavelength	λ _p	Po=50mW	965	980	995	nm	

I_m is sorting by custom's need

HLD980050N4T 980nm 50mW 40℃ Laser Diodes

■Specifications

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

■Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbols	Ratings	Units
Optical Output	Po(CW)	50	mW
Reverse Voltage	V _r	2	V
Forward Voltage	V _f (PIN)	30	V
Operating Temperature	T _{op}	-10 ~ +40	℃
Storage Temperature	T _{stg}	-40 ~ +80	℃

■Electrical and optical Characteristics(Tc=25℃)

