

# Laserová dioda, 780nm, 5mW, průměr 5.6mm

Kód produktu: AM5295

EAN13: -

HS kód: 90132000



## Varianty produktu:

## Parametry produktu:

Barva světla: Infráčervená

Vlnová délka: 780 nm

Napětí: 1,9-2,3 V DC

Pouzdro: TO-18

Krytí: IP20

Životnost: 5 000 hodin

## Popis výrobku:

Laserová dioda s vlnovou délkou 785nm a výkonem 5mW.

vlnová délka 780nm

napětí 1.9-2-3V

proud 26-40mA

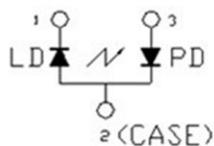
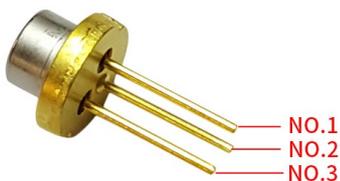
stupeň krytí IP20

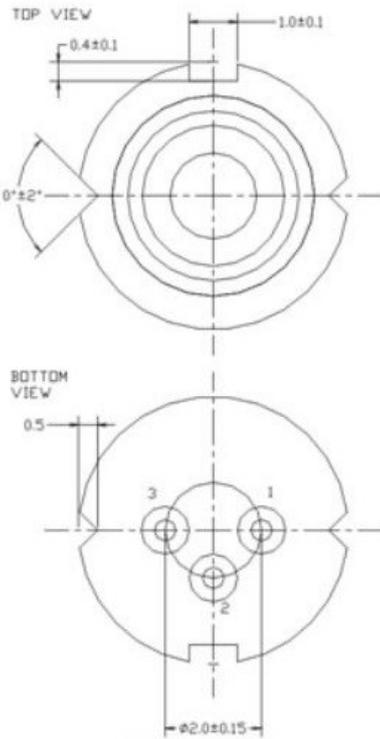
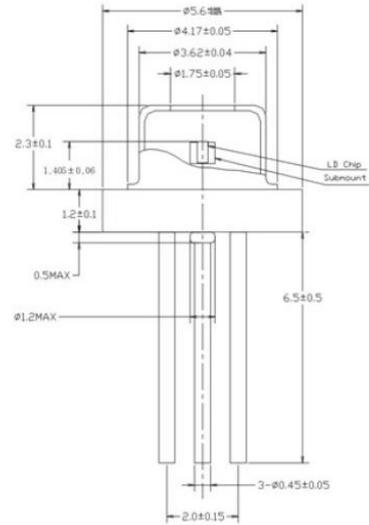
pracovní teplota -10 - 50 °C

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





◆ ABSOLUTE MAXIMUM RATING

Items	Symbols	Values	Unit
Optical Output Power	P	7	mW
Laser Diode Reverse Voltage	V	2	V
Photo Diode Reverse Voltage	V	30	V
Operating Temperature	T <sub>opr</sub>	-10 ~ +40	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +80	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS

Items	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P <sub>o</sub>	-	5	-	mW	-
Threshold Current	I <sub>th</sub>	-	13	30	mA	-
Operating Current	I <sub>op</sub>	-	28	40	mA	P <sub>o</sub> =5mW
Operating Voltage	V <sub>op</sub>	-	1.9	2.3	V	P <sub>o</sub> =5mW
Slope Efficiency	SE	0.3	0.4	0.7	mW/mA	P <sub>o</sub> 3 - 5mW
Lasing Wavelength	λ <sub>p</sub>	770	782	800	nm	P <sub>o</sub> =5mW
Beam Divergence	θ <sub>∥</sub>	8	9	15	deg	P <sub>o</sub> =5mW
	θ <sub>⊥</sub>	25	28	40	deg	P <sub>o</sub> =5mW
Beam Angle	Δθ <sub>∥</sub>	-	-	±1.5	deg	P <sub>o</sub> =5mW
	Δθ <sub>⊥</sub>	-	-	±2.5	deg	P <sub>o</sub> =5mW
Monitor Current	I <sub>m</sub>	0.1	0.3	0.6	mA	P <sub>o</sub> =5mW
Optical Distance	ΔX, ΔY, ΔZ	-	-	±60	μm	P <sub>o</sub> =5mW
Astigmatism	As	-	-	15	μm	P <sub>o</sub> =5mW