

Laserska dioda, 780nm, 5mW, promjer 5.6mm

Šifra proizvoda: AM5295

EAN13: -

HS kód: 90132000



Varijante proizvoda:

Parametri proizvoda:

Boja svjetla: Infracrveni

Valna duljina: 780 nm

Napetost: 1,9-2,3 V DC

Kućište: TO-18

Pokriti: IP20

Vijek trajanja: 5000 sati

Opis proizvoda:

Laserska dioda valne duljine 785nm i snage 5mW.

valna duljina 780nm

napon 1,9-2-3V

struja 26-40mA

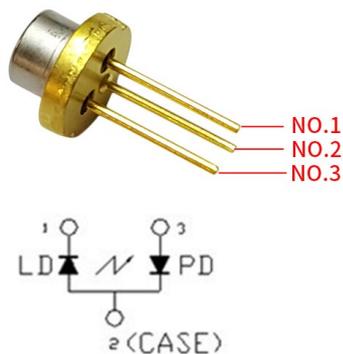
stupanj zaštite IP20

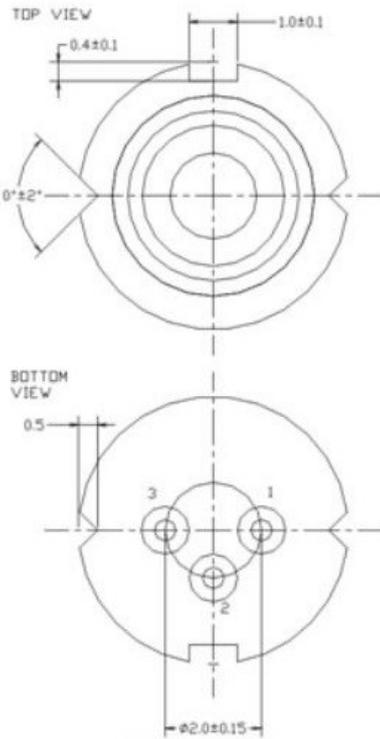
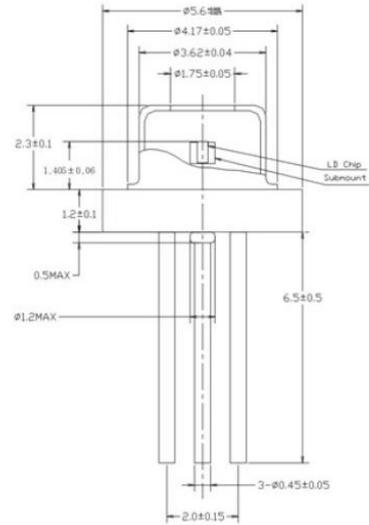
radna temperatura -10 - 50 °C

dimenzija 5,6x5,6x 10 mm

cijena za 1 komad

Spajanje pinova: pin br. 2 (kućište) = ANODA, pin br. 1 = katoda LD, pin br. 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 _{opr}	-10 ~ +40	°C
Storage Temperature	T _{stg}	-40 ~ +80	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS

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