

Laserska dioda, 780 nm, 5 mW, premer 5,6 mm

Koda izdelka: AM5295
EAN13: -
HS kód: 90132000



Variante izdelkov:

Parametri izdelka:

Barva svetlobe: Infrardeči
Valovna dolžina: 780 nm
Napetost: 1,9-2,3 V DC
Primer: TO-18
Pokritost: IP20
Doživljenjska doba: 5000 ur

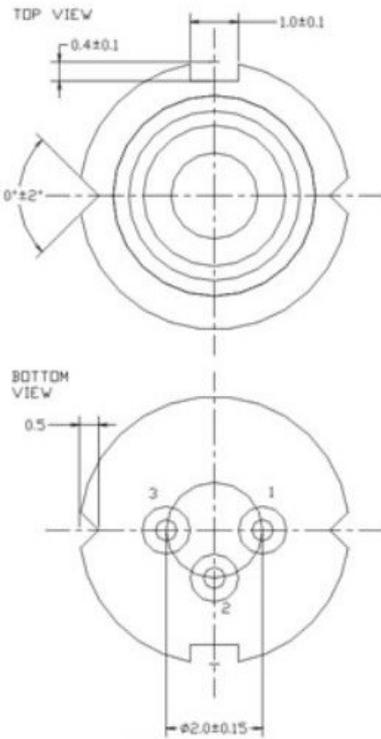
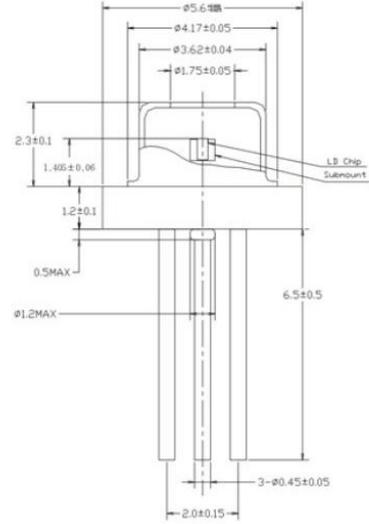
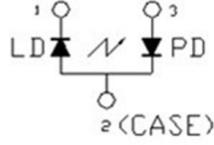
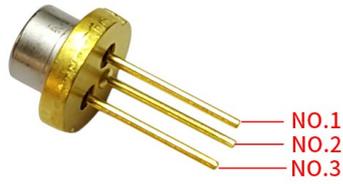
Opis izdelka:

Laserska dioda z valovno dolžino 785 nm in močjo 5mW.

valovna dolžina 780 nm
napetost 1,9-2-3V
tok 26-40mA
stopnja zaščite IP20
delovna temperatura -10-50 °C
velikost 5,6x5,6x10 mm
cena za 1 kos

priključek pinov: pin št. 2 (ohišje)=ANODA, pin št. 1=katoda LD, pin št. 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