

Laserska dioda, 635nm, 20mW, promjer 5.6mm

Šifra proizvoda: AM8989
EAN13: -
HS kód: 90132000



Varijante proizvoda:

Parametri proizvoda:

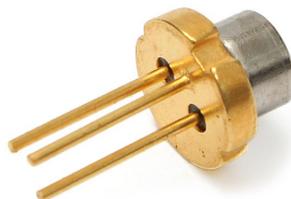
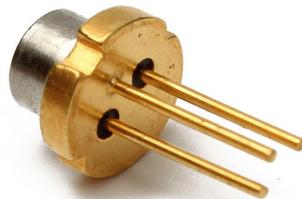
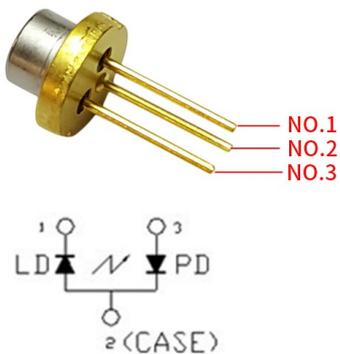
Valna duljina: 635-640 nm
Kućište: TO-18
Pokriti: IP20

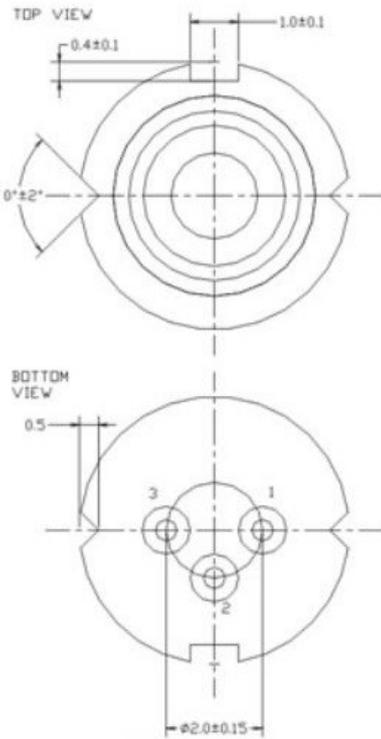
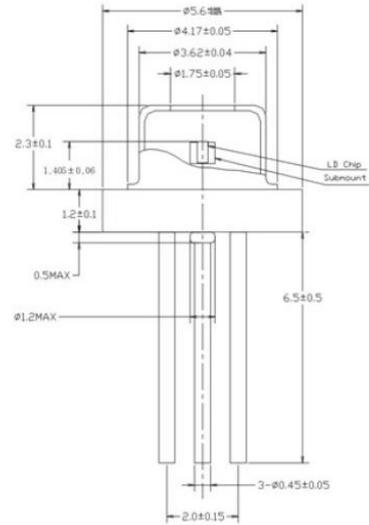
Opis proizvoda:

Laserska dioda valne duljine 635nm i snage 20mW.

valna duljina 635nm
napon 2,3-2,6V
reverzni napon 10V
struja 75-85mA
stupanj zaštite IP20
radna temperatura -10 - 50 °C
dimenzija 5,6x5,6x10 mm
cijena za 1 kom

Raspored pinova: pin br. 2 (kućište)=ANODA, pin br.1=LD katoda, pin br.3=PD anoda





◆ ABSOLUTE MAXIMUM RATING at $T_c=25^{\circ}\text{C}$

Items	Symbols	Values	Unit
Optical Output Power	P	22	mW
Laser Diode Reverse Voltage	V	10	V
Photo Diode Reverse Voltage	V	30	V
Operating Temperature	T_{op}	-10 ~ +50	$^{\circ}\text{C}$
Storage Temperature	T_{stg}	-40 ~ +85	$^{\circ}\text{C}$

◆ ELECTRICAL and OPTICAL CHARACTERISTICS at $T_c=25^{\circ}\text{C}$

Items	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P_o	-	20	-	mW	-
Threshold Current	I_{th}	-	50	60	mA	-
Operating Current	I_{op}	-	75	85	mA	$P_o=20\text{mW}$
Operating Voltage	V_{op}	-	2.3	2.6	V	$P_o=20\text{mW}$
Slope Efficiency	η_s	0.4	0.7	1.0	mW/mA	$P_o=20\text{mW}$
Lasing Wavelength	λ_p	634	639	644	nm	$P_o=20\text{mW}$
Beam Divergence	θ_{\parallel}	6	9	12	deg	$P_o=20\text{mW}$
	θ_{\perp}	25	30	35	deg	$P_o=20\text{mW}$
Beam Angle	$\Delta\theta_{\parallel}$	-3	-	3	deg	$P_o=20\text{mW}$
	$\Delta\theta_{\perp}$	-3	-	3	deg	$P_o=20\text{mW}$
Monitor Current	I_m	0.1	0.2	0.4	mA	$P_o=20\text{mW}$
Optical Distance	$\Delta X, \Delta Y, \Delta Z$	-	-	± 60	μm	-