

Laserska dioda, 635 nm, 20 mW, premer 5,6 mm

Koda izdelka: AM8989
EAN13: -
HS kód: 90132000



Variante izdelkov:

Parametri izdelka:

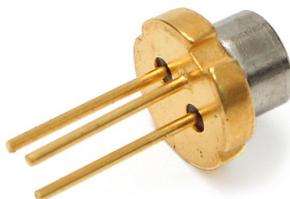
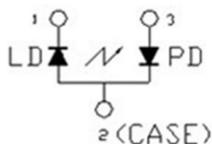
Valovna dolžina: 635-640 nm
Primer: TO-18
Pokritost: IP20

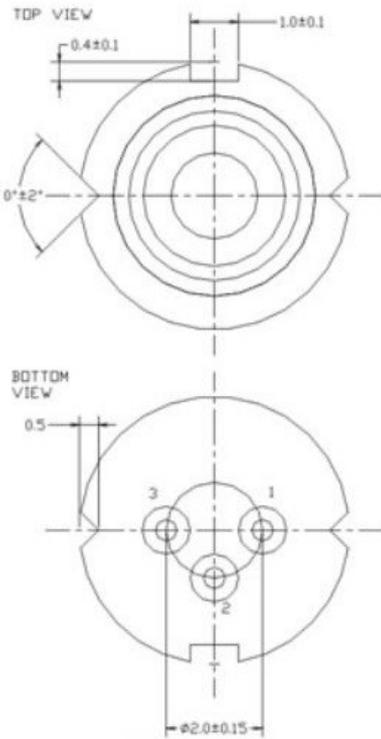
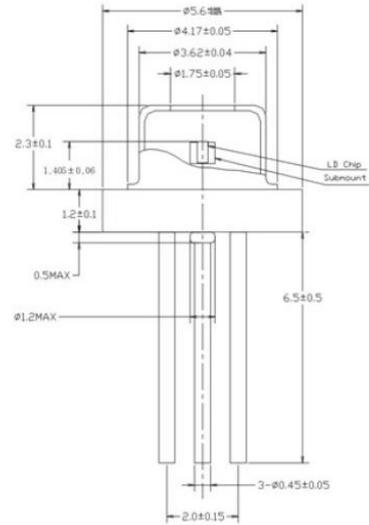
Opis izdelka:

Laserska dioda z valovno dolžino 635nm in močjo 20mW.

valovna dolžina 635nm
napetost 2,3-2,6V
povratna napetost 10V
tok 75-85mA
stopnja zaščite IP20
delovna temperatura -10 - 50 °C
velikost 5,6x5,6x10 mm
cena za 1 kos

Razporeditev nožic: pin št. 2 (ohišje)=ANODA, pin št. 1=LD katoda, pin št





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

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 $T_c=25\text{ }^\circ\text{C}$

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_{H}	6	9	12	deg	$P_o=20\text{mW}$
	θ_{V}	25	30	35	deg	$P_o=20\text{mW}$
Beam Angle	$\Delta\theta_{\text{H}}$	-3	-	3	deg	$P_o=20\text{mW}$
	$\Delta\theta_{\text{V}}$	-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	-