

Dioda laser, 635nm, 20mW, diametru 5.6mm

Referință: AM8989

EAN13: -

UPC: 90132000

Atributele produsului:

Caracteristicile produsului:

Lungime de undă: 635-640 nm

Locuințe: TO-18

Acoperi: IP20



Descriere produs:

Dioda laser cu o lungime de unda de 635nm si o putere de 20mW.

lungime de unda 635nm

tensiune 2,3-2,6V

tensiune inversă 10V

curent 75-85mA

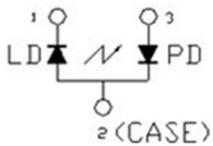
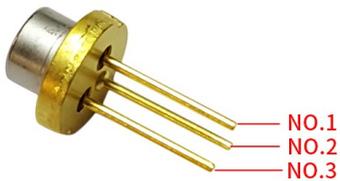
grad de protectie IP20

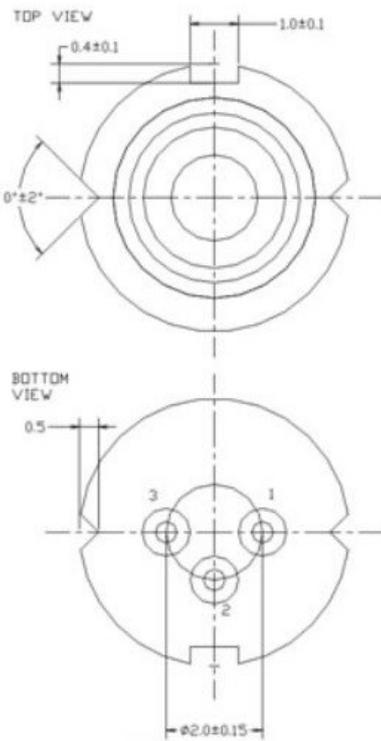
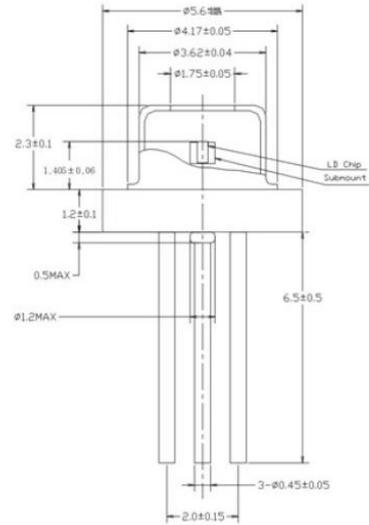
temperatura de lucru -10 - 50 °C

dimensiune 5,6x5,6x10 mm

pret pentru 1 buc

Atribuire pin: pin nr. 2 (carcasa)=ANOD, pin nr





◆ 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_{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	-