

Laserová dioda, 635nm, 20mW, průměr 5.6mm

Kód produktu: AM8989
EAN13: -
HS kód: 90132000



Varianty produktu:

Parametry produktu:

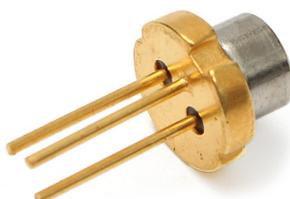
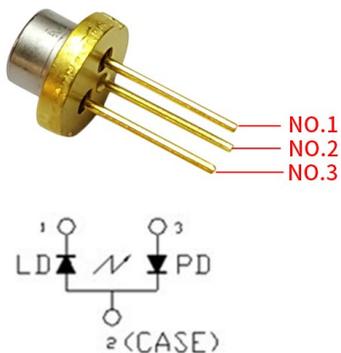
Vlnová délka: 635-640 nm
Pouzdro: TO-18
Krytí: IP20

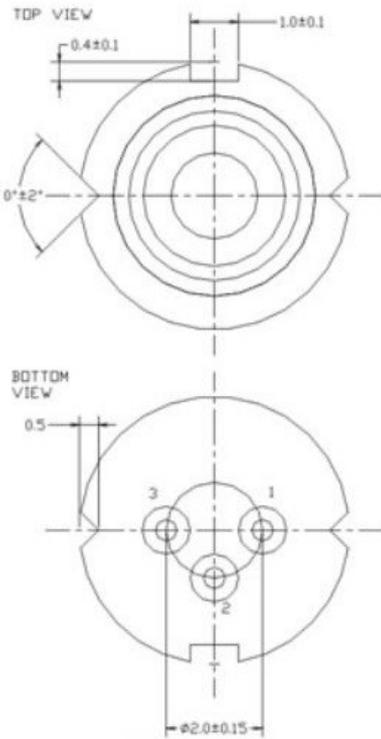
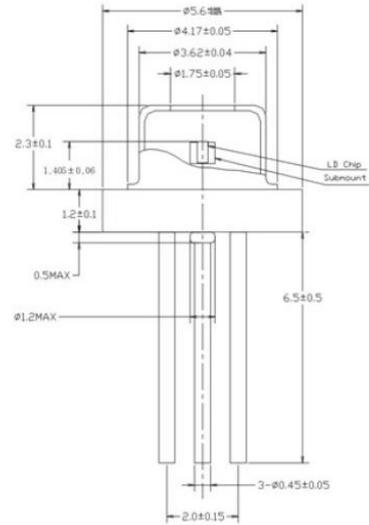
Popis výrobku:

Laserová dioda s vlnovou délkou 635nm a výkonem 20mW.

vlnová délka 635nm
napětí 2.3-2.6V
reverzní napětí 10V
proud 75-85mA
stupeň krytí IP20
pracovní teplota -10 - 50 °C
velikost 5.6x5.6x 10 mm
cena za 1 Ks

Zapojení pinů: pin č.2 (case)=ANODA, pin č.1=katoda LD, pin č.3=anoda PD





◆ 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_{\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	-