

Laserová dióda, 650nm, 5mW, priemer 5.6mm

Kód produktu: AM5734

EAN13: -

HS kód: 90132000



Varianty produktu:

Parametry produktu:

Farba svetla: Červená

Vlnová dĺžka: 650 nm

Napätie: 2,2-2,7 V DC

Výkon: 5 mW

Puzdro: TO-18

Krytie: IP20

Životnosť: 5 000 hodín

Popis produktu:

Laserová dióda s vlnovou dĺžkou 650nm a výkonom 5mW.

vlnová dĺžka 650nm

napätie 2.2-2.6V

reverzné napätie 2V

prúd 28-38mA

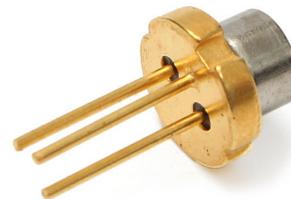
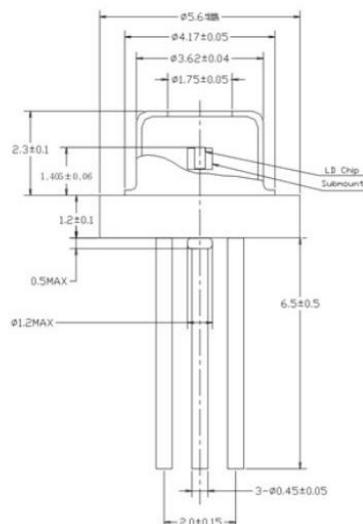
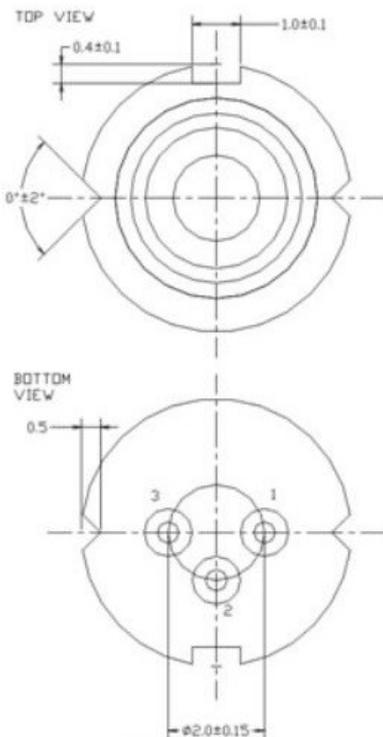
stupeň krytia IP20

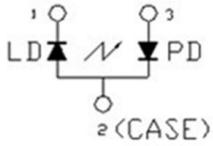
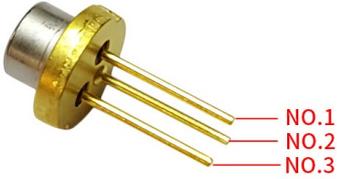
pracovná teplota -10 - 50 °C

veľkosť 5.6x5.6x 10 mm

cena za 1 Ks

Zapojenie pinov: pin č.2 (case)=ÁNODA, pin č.1=katóda LD, pin č.3=anóda PD





◆ ABSOLUTE MAXIMUM RATING at Tc=25°C

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 ~ +50	°C
Storage Temperature	T _{stg}	-40 ~ +85	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS at Tc=25°C

Items	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P _o	-	5	-	mW	-
Threshold Current	I _{th}	-	17	30	mA	-
Operating Current	I _{op}	-	24	35	mA	P _o =5mW
Operating Voltage	V _{op}	-	2.2	2.6	V	P _o =5mW
Lasing Wavelength	λ _p	650	655	660	nm	P _o =5mW
Beam Divergence	θ	6	9	12	deg	P _o =5mW
	θ _⊥	22	29	38	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	0.2	0.5	mA	P _o =5mW
Optical Distance	ΔX, ΔY, ΔZ	-	-	±80	μm	-