

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

Koda izdelka: AM8180
EAN13: -
HS kód: 90132000



Variante izdelkov:

Parametri izdelka:

Barva svetlobe: Rdeča
Valovna dolžina: 635-640 nm
Napetost: 2,0-2,2 V DC
Primer: TO-18
Pokritost: IP20
Doživljenjska doba: 5000 ur

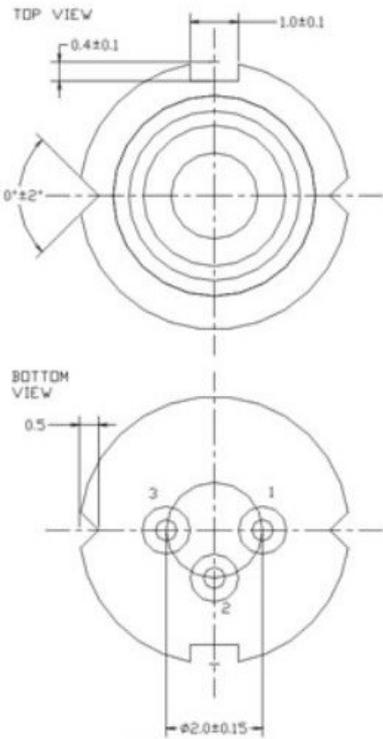
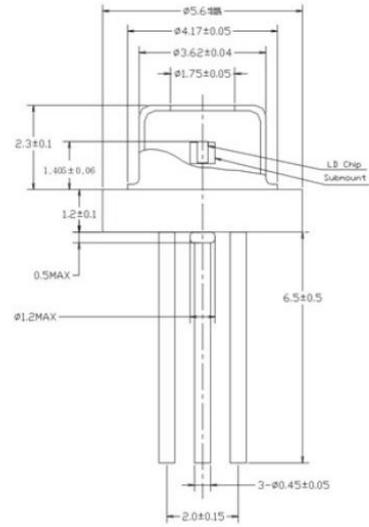
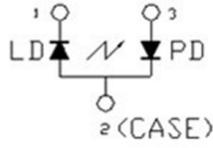
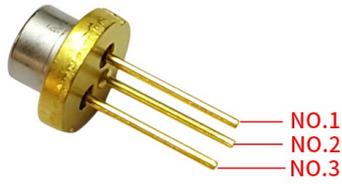
Opis izdelka:

Laserska dioda z valovno dolžino 635 nm in močjo 5mW.

valovna dolžina 635 nm
napetost 2,2-2,7 V
povratna napetost 2 V
tok 32-45 mA
stopnja zaščite IP20
delovna temperatura -10 - 50 °C
velikost 5,6x5,6x10 mm
cena za 1 kos

priključek: pin št. 2 (primer)=ANODA, pin št. 1=LD katoda, pin št. 3=PD anoda





◆ ABSOLUTE MAXIMUM RATING at Tc=25°C

Items	Symbols	Values	Unit
Optical Output Power	P	6	mW
Laser Diode Reverse Voltage	V	2	V
Photo Diode Reverse Voltage	V	30	V
Operating Temperature	Topr	-10 ~ +40	°C
Storage Temperature	Tstg	-40 ~ +85	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS at Tc=25°C

Items	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	Po	-	5	-	mW	-
Threshold Current	Ith	-	23	35	mA	-
Operating Current	Iop	-	32	45	mA	Po=5mW
Operating Voltage	Vop	-	2.2	2.7	V	Po=5mW
Lasing Wavelength	λp	630	637	640	nm	Po=5mW
Beam Divergence	θ	6	8	12	deg	Po=5mW
	θ⊥	28	34	40	deg	Po=5mW
Beam Angle	Δθ	-	-	±2.0	deg	Po=5mW
	Δθ⊥	-	-	±3.0	deg	Po=5mW
Monitor Current	I _m	0.05	0.15	0.4	mA	Po=5mW
Optical Distance	ΔX, ΔY, ΔZ	-	-	±50	μm	-