

# Diodă laser, 635nm, 5mW, diametru 5.6mm

Referință: AM8180  
EAN13: -  
UPC: 90132000



## Atributele produsului:

## Caracteristicile produsului:

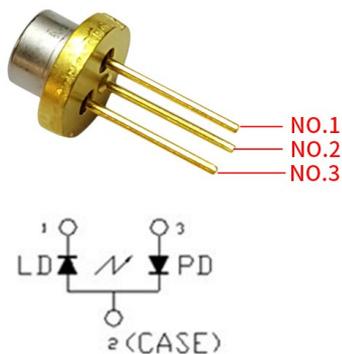
Culoarea luminii: Roșu  
Lungime de undă: 635-640 nm  
Tensiune: 2,0-2,2 V DC  
Locuințe: TO-18  
Acoperi: IP20  
Durata de viața: 5.000 de ore

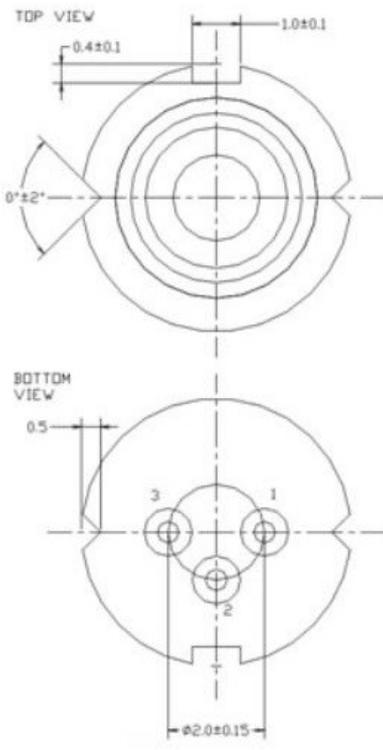
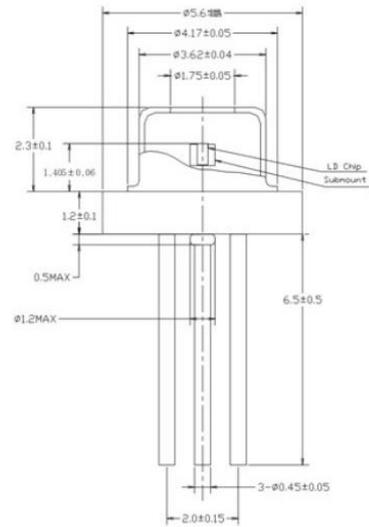
## Descriere produs:

Diodă laser cu lungimea de undă 635nm și putere 5mW.

lungime de undă 635nm  
tensiune 2,2-2,7V  
tensiune inversă 2V  
curent 32-45mA  
grad de protecție IP20  
temperatură de lucru -10 - 50 °C  
dimensiuni 5,6x5,6x 10 mm  
preț pentru 1 buc

conexiune pin: pin nr.2 (caz)=ANOD, pinul nr.1=LD catod, pinul nr.3=PD anod





◆ 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 <sub>m</sub>	0.05	0.15	0.4	mA	Po=5mW
Optical Distance	ΔX, ΔY, ΔZ	-	-	±50	μm	-