

# Laserdiode, 635nm, 5mW, diameter 5.6mm

Produktkode: AM8180

EAN13: -

HS-kode: 90132000



## Produktvarianter:

## Produktparametre:

Farve af lys: Rød

Bølgelængde: 635-640 nm

Spænding: 2,0-2,2 V DC

Sag: TO-18

Dækning: IP20

Livstid: 5.000 timer

## Produktbeskrivelse:

Laserdiode med bølgelængde 635nm og effekt 5mW.

bølgelængde 635nm

spænding 2,2-2,7V

omvendt spænding 2V

strøm 32-45mA

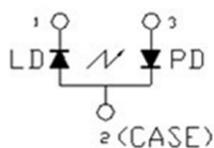
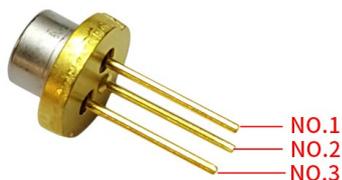
beskyttelsesgrad IP20

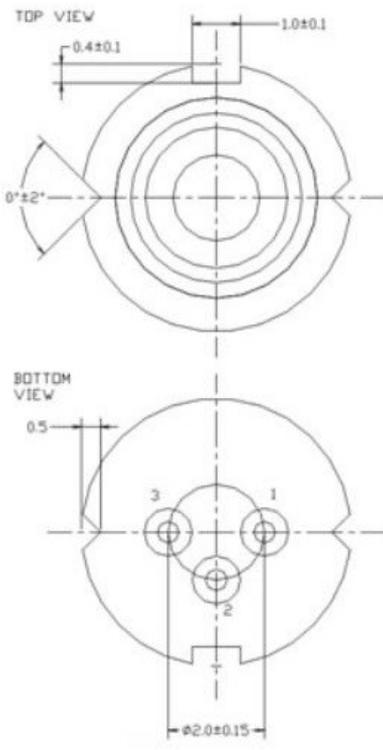
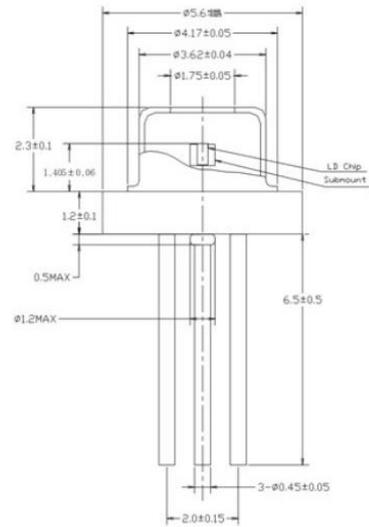
arbejdstemperatur -10 - 50 °C

størrelse 5,6x5,6x 10 mm

pris for 1 stk

pin-forbindelse: pin nr.2 (case)=ANODE, pin nr.1=LD katode, pin nr.3=PD anode





◆ 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	-