

Laserdiod, 635nm, 5mW, diameter 5.6mm

Produktkod: AM8180

EAN13: -

HS-kod: 90132000

Produktvarianter:

Produktparametrar:

Ljusets färg: Röd

Våglängd: 635-640 nm

Spänning: 2,0-2,2 V DC

Fall: TO-18

Täckning: IP20

Livstid: 5 000 timmar



Produktbeskrivning:

Laserdiod med våglängd 635nm och effekt 5mW.

våglängd 635nm

spänning 2.2-2.7V

omvänd spänning 2V

ström 32-45mA

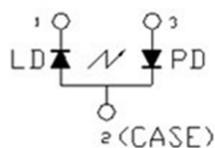
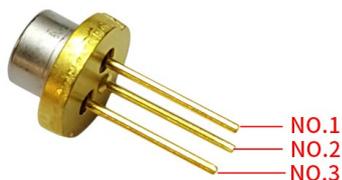
skyddsgrad IP20

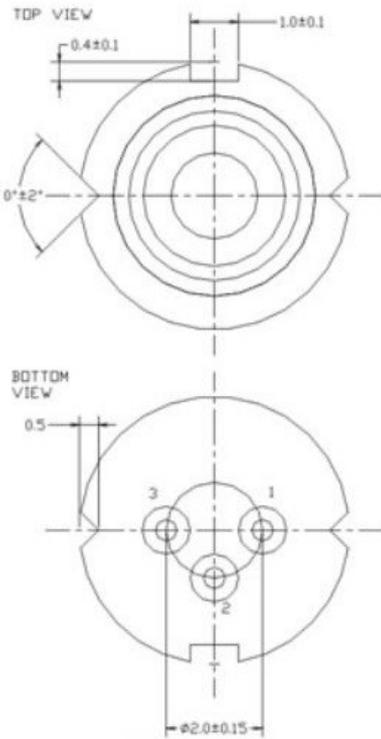
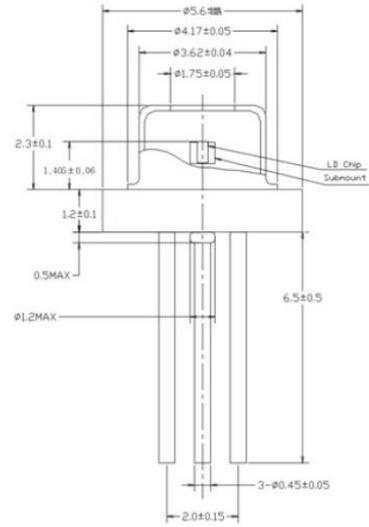
arbetstemperatur -10 - 50 °C

storlek 5.6x5.6x 10 mm

pris för 1 st

stiftanslutning: stift nr.2 (fall)=ANODE, stift nr.1=LD katod, stift 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 _m	0.05	0.15	0.4	mA	Po=5mW
Optical Distance	ΔX, ΔY, ΔZ	-	-	±50	μm	-