

Laserdiod, 980nm, 50mW, diameter 5,6mm

Produktkoder:

Produktkod: AM4872

EAN13: -

HS-kod: 90132000

Produktparametrar:

Ljusets färg: Infraröd

Våglängd: 980 nm

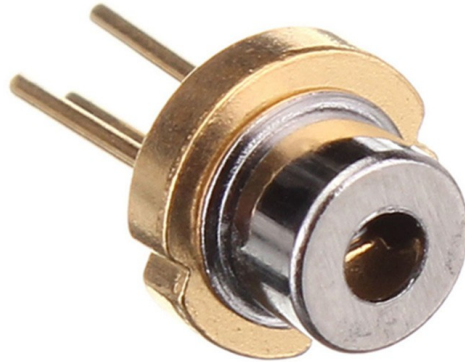
Spänning: 1,6-2,1 V DC

Prestanda: 50 mW

Fall: TO-18

Täckning: IP20

Livstid: 5 000 timmar



Produktvarianter:

Produktbeskrivning:

Laserdiod med en våglängd på 980nm och en effekt på 10mW.

våglängd 980nm

spänning 1,6-2,1V

backspänning 2V

ström 78-82mA

kapslingsgrad IP20

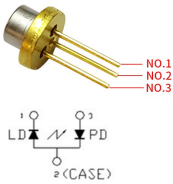
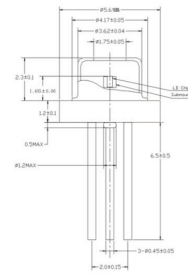
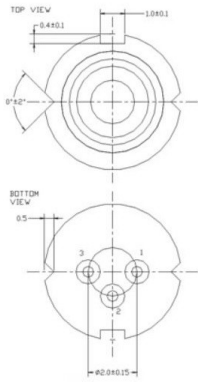
arbetstemperatur -10 - 50 °C

storlek 5,6x5,6x 10 mm

pris för 1 st

Stiftanslutning: stift nr 2 (hus) = ANOD, stift nr 1 = katod LD, stift nr 3 = anod PD

Galerie:



■ Electrical and optical Characteristics (25°C)

| Parameter | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---------------------------|-----------|------------|------|------|------|------|
| Forward Current | I_F | — | — | 20 | 30 | mA |
| Operating Current | I_{OP} | Per-Rev. ① | — | 75 | 85 | mA |
| Forward Voltage | V_F | Per-Rev. ② | — | 1.4 | 2.2 | V |
| Wavelength | λ | Per-Rev. ③ | 650 | — | — | nm |
| Relative Intensity | I_{rel} | Per-Rev. ④ | 0.5 | 0.8 | — | — |
| Relative Current | I_{rel} | Per-Rev. ⑤ | — | 0.5 | 0.8 | — |
| Power Output (Typical) | P_{out} | Per-Rev. ⑥ | — | 10 | 15 | mW |
| Power Output (Maximum) | P_{out} | Per-Rev. ⑦ | — | 20 | 25 | mW |
| Peak Current (Typical) | I_{pk} | Per-Rev. ⑧ | — | 20 | — | mA |
| Forward Current (Typical) | I_F | Per-Rev. ⑨ | — | — | — | mA |
| Forward Current (Maximum) | I_F | Per-Rev. ⑩ | — | — | — | mA |
| Reverse Peak Current | I_{RP} | Per-Rev. ⑪ | — | — | 80 | mA |
| Leakage Current | I_{Lk} | Per-Rev. ⑫ | — | — | 100 | nA |

① to ⑫ are to be used in accordance with the conditions in the test method.

■ Electrical and optical Characteristics (25°C)

| Parameter | Symbol | Rating | Unit |
|--------------|-----------|---------------|------|
| Wavelength | λ | 650nm | nm |
| Light Output | P_{out} | 10mW | mW |
| Package Type | — | TO-18 (3-Pin) | — |

■ Absolute Maximum Ratings (25°C)

| Parameter | Symbol | Rating | Unit |
|-----------------------|-----------|------------|-------|
| Reverse Voltage | V_R | 5 | V |
| Power | P_{out} | 10 | mW |
| Storage Temperature | T_{stg} | -55 to 125 | °C |
| Operating Temperature | T_{op} | -40 to 100 | °C |
| Temperature Derating | T_{der} | 0.5 | °C/mW |

① to ⑫ are to be used in accordance with the conditions in the test method.