

Laserová dioda, 635nm, 5mW, průměr 5.6mm

Kód produktu: AM8180

EAN13: -

HS kód: 90132000



Varianty produktu:

Parametry produktu:

Barva světla: Červená

Vlnová délka: 635-640 nm

Napětí: 2,0-2,2 V DC

Pouzdro: TO-18

Krytí: IP20

Životnost: 5 000 hodin

Popis výrobku:

Laserová dioda s vlnovou délkou 635nm a výkonem 5mW.

vlnová délka 635nm

napětí 2.2-2.7V

reverzní napětí 2V

proud 32-45mA

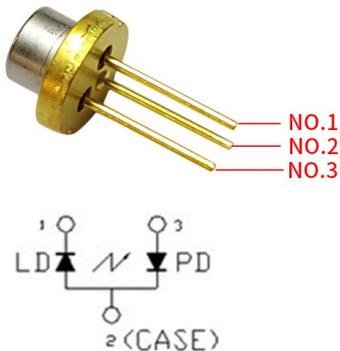
stupeň krytí IP20

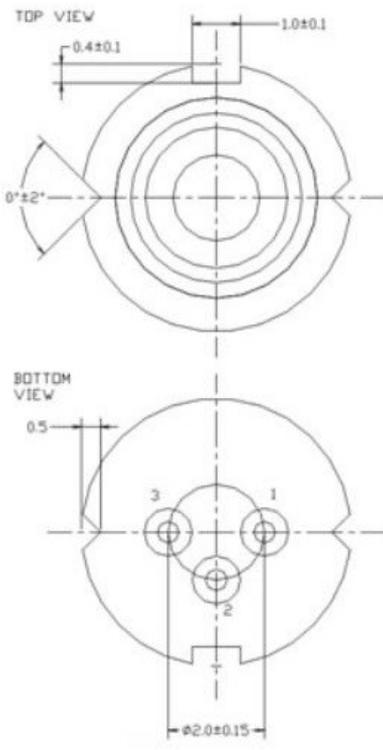
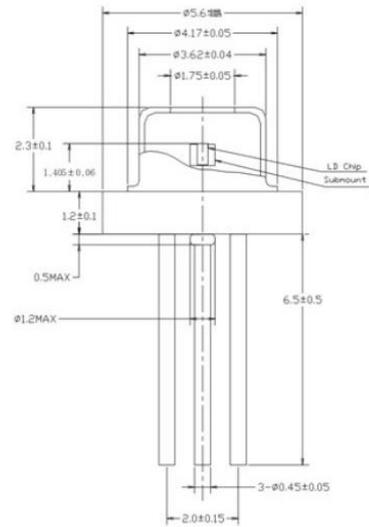
pracovní teplota -10 - 50 °C

velikost 5.6x5.6x 10 mm

cena za 1 Ks

Zapojení pinů: pin č.2 (case)=ANODA, pin č.1=katoda LD, pin č.3=anoda PD





◆ 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 | - |