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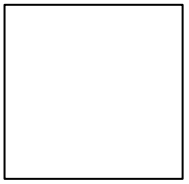
Find the *OKI 0L6204N-100/AP20* at our website: *Click HERE*

# Specifications
# for
# MQW Pulsed Laser Diode Cooled DIL Module
# with Single Mode Fiber

## 1625nm+/-20nm, 100mW

## OL6204N-100/AP20

Receipt



**1st Issued: May. / 19 / 99**

## 1. Description

OL6204N-100/AP20 is a MQW 1625nm Pulsed Laser Diode in a 14pin DIL package with single mode fiber .

## 2. Absolute Maximum Ratings

(Ta=25°C,unless otherwise noted)

| Parameter | Symbol | Ratings | Unit |
|---|---|---|---|
| Fiber Output Power | Pf | 110* | mW |
| Laser Diode Reverse Voltage | Vr(LD) | 2 | V |
| Laser Diode Forward Current | If(LD) | 1200* | mA |
| Cooler Current | Ic | 1.0 | A |
| Operating Temperature | Topr | -20 to +65 | ℃ |
| Storage Temperature | Tstg | -40 to +70 | ℃ |

* Pulse width less than 10μs,duty less than 1%

Exceeding these ratings may lead to immediate destruction or permanent deterioration of the device.

## 3. Optical and Electrical Characteristics

(TLD=25°C,10μS Pulse Width and 1% Duty)

| Parameter | Symbol | Test Conditions | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|---|
| Threshold Current | Ith | --- | --- | --- | 50 | mA |
| Operating Current | Iop | Pf=100mW | --- | --- | 1000 | mA |
| Operating Voltage | Vop | Pf=100mW | --- | --- | 3 | V |
| Center Wavelength | λc | Pf=100mW | 1605 | --- | 1645 | nm |
| Spectral Width | σ | Pf=100mW,RMSx1 | --- | --- | 10 | nm |
| Rise Time | τr | Ibias=Ith | --- | --- | 1 | ns |
| Fall Time | τf | Pf=1mW,10-90% | --- | --- | 1 | ns |
| Cooler Capacity | ΔT | Pf=100mW | 40 | --- | --- | ℃ |
| Cooler Current | Ic | ΔT=40°C,Pf=100mW | --- | --- | 1 | A |
| Cooler Voltage | Vc | ΔT=40°C,Pf=100mW | --- | --- | 2 | V |
| Thermistor Resistance | Rth | --- | --- | 10 | --- | KΩ |

## 4. Fiber Pigtail Specifications

| Parameter | Specifications | Unit |
|---|---|---|
| Type | SM | --- |
| Mode Field Diameter | 10+/-1 | μm |
| Cladding Diameter | 125+/-2 | μm |
| Jacket Diameter | 900 | μm |
| Length | 1 (Min.) | m |
| Connector | FC/SPC | --- |

## 5. Packaging and Documentation

5.1 Marking on each device

(1) Part Number

(2) Manufacturer's serial number

(3) Warning label to indicate danger from invisible laser radiation is on the individual carrier box .

5.2 Documentation of each device data at 25°C

operating current (Iop), output power from fiber end (Pf)

center wavelength($\lambda c$),spectral width($\sigma$)

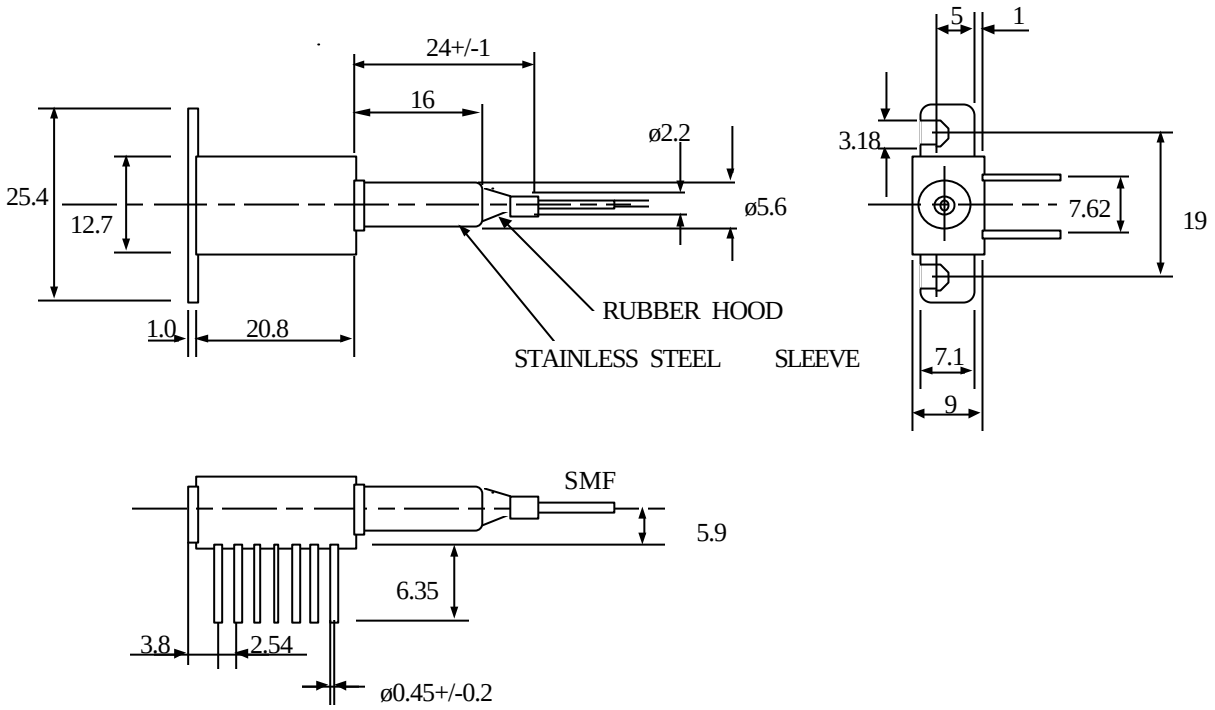
## 6. Outline Drawing

All dimensions in millimeters

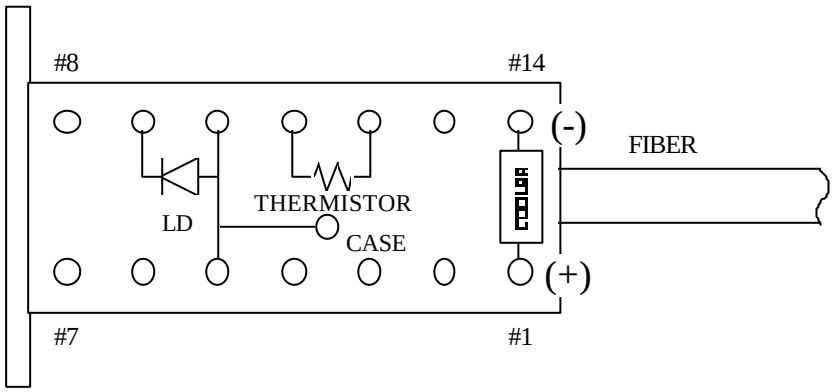
Package No.

204

Tolerances Unless Noted +/-0.5




TERMINAL CONNECTION
(BOTTOM VIEW)



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