

Features

- Laser diode with multi-quantum-well structure
- Un-cooled operation at -40~+85 °C
- For Single-mode Application
- High Optical Power
- High Speed

Packaging

- 8 Pin Package with SC Port
- The label of series number is put at the back of the device

Application

- Design for fiber optic networks
- RoHS Compliant available

Absolute Maximum Ratings (Tc=25 °C)

| Parameter | Symbol | Rating | Unit |
|-----------------------|------------------|----------|------|
| Operating Current | I _{op} | 100 | mA |
| LD Reverse Voltage | V _{RLD} | 2 | V |
| Operating Temperature | T _{opr} | -40 ~ 85 | |
| Storage Temperature | T _{stg} | -40 ~ 85 | |

(All optical data refer to coupled 9/125 μ m SM fiber)

Optical and Electrical Characteristics (Tc=25 °C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Notes |
|----------------------|---------------------------------|------|------|------|------|--|
| Thres hold Current | I _{th} | - | 6 | 20 | mA | CW |
| Fiber Output Power | P _f | -25 | - | -22 | dBm | CW, I _{op} = 31mA |
| Peak Wavelength | | 1290 | 1310 | 1330 | nm | CW, P _f = P _f (Min) |
| Spectral Width (RMS) | | - | 2 | 5 | nm | CW, P _f = P _f (Min) |
| Forward Voltage | V _F | - | 1.2 | 1.6 | V | CW, P _f = P _f (Min) |
| Rise/Fall Time | T _r / T _f | - | - | 0.5 | ns | I _{bias} =I _{th} , 10%~90% |

Note: 1. ESD precasutions must be taken when handling this product.

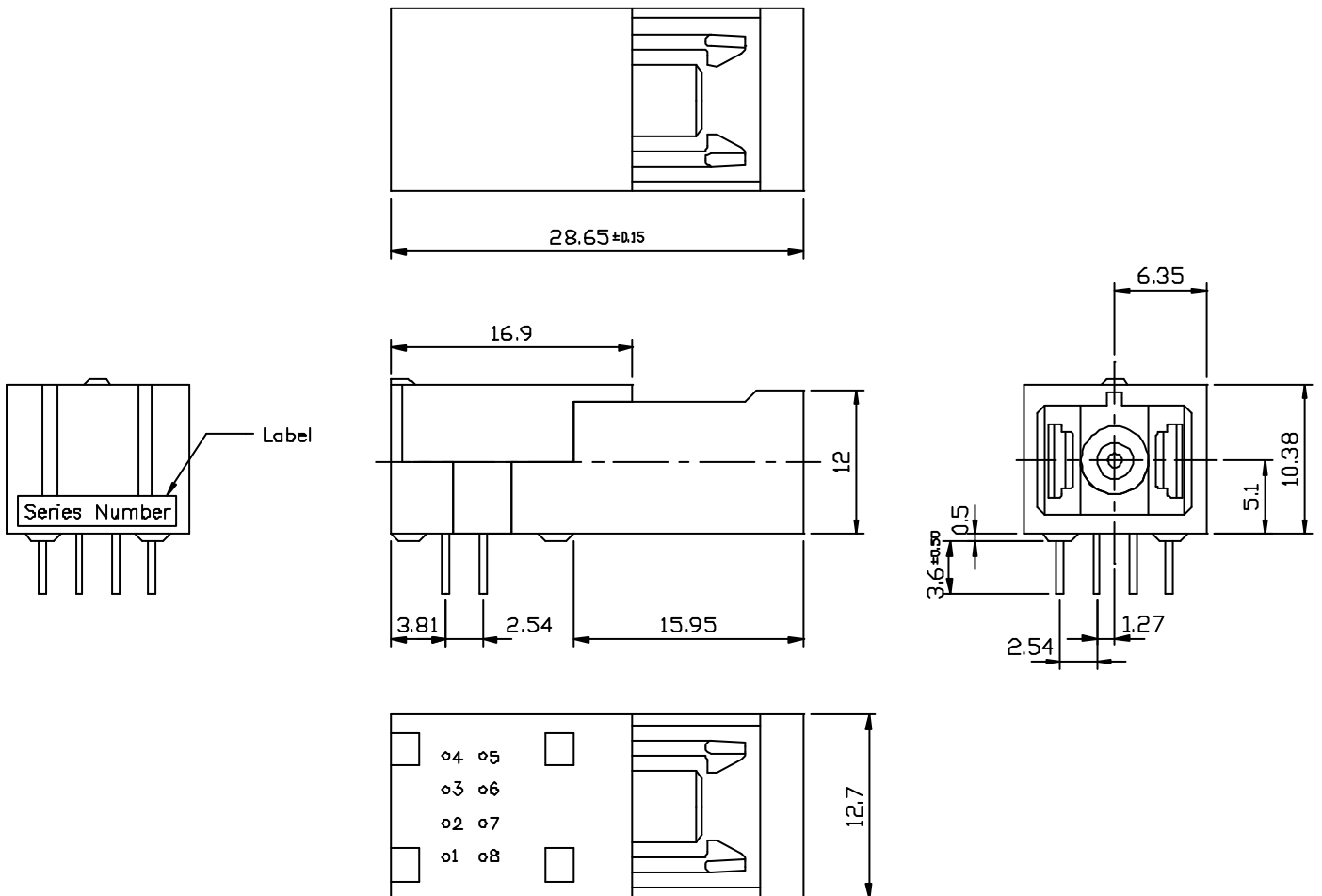
2. Specifications subject to change with notice.

3. Pin assignment can be custom specified.

Pinout Assignment

| PIN | FUNCTION |
|-----|----------|
| 1 | Case GND |
| 2 | N.C. |
| 3 | LD- |
| 4 | N.C. |
| 5 | N.C. |
| 6 | LD+ |
| 7 | N.C. |
| 8 | N.C. |

Mechanic Dimension (Units in mm)



Ordering Information

C-13-1315C-02-XX

RoHS Compliant ————
Blank/G5/GR
Blank = RoHS non-compliant product
G5 = RoHS 5/6-compliant product (lead exemption)
GR = Full RoHS compliant product (no exemption)

Warnings

Handling Precautions: This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is highly recommended. Follow guidelines according to proper ESD procedures.

Laser Safety: Radiation emitted by laser devices can be dangerous to human eyes. Avoid eye exposure to direct or indirect radiation.

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