

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	°C
Storage Temperature	T _{stg}	-40 ~ 85	°C

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

Optical and Electrical Characteristics (Tc=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Threshold Current	I _{th}	-	6	20	mA	CW
Fiber Output Power	P _f	-25	-	-21	dBm	CW, I _{op} = 31mA
Peak Wavelength	λ	1290	1310	1330	nm	CW, P _f = P _f (Min)
Spectral Width (RMS)	Δλ	-	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 precautions must be taken when handling this product.

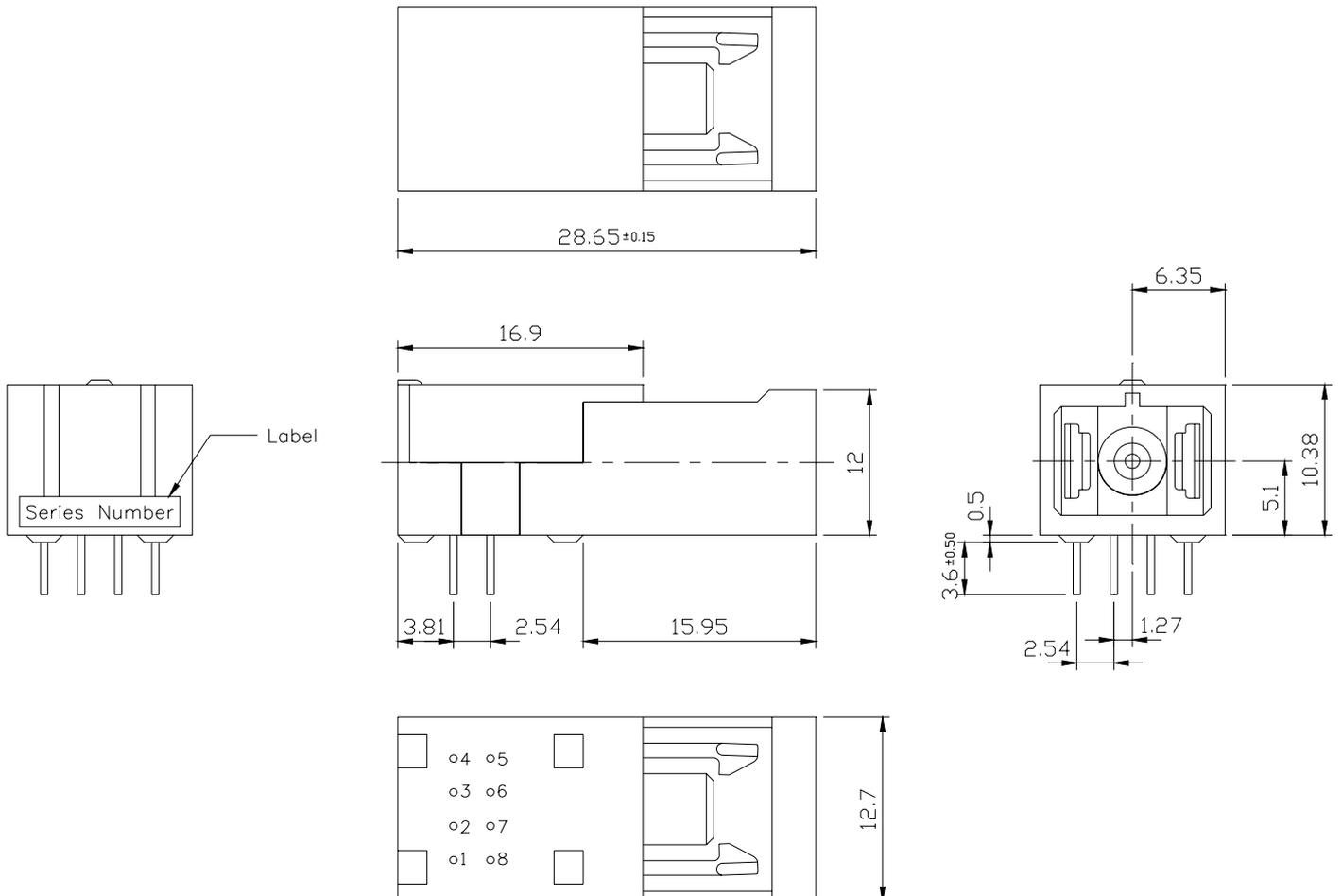
2. Specifications subject to change with notice.

3. Pin assignment can be custom specified.

Pinout Assignment

PIN	FUNCTION
1	Case GND
2	LD+
3	LD-
4	Case GND
5	Case GND
6	LD+
7	LD+
8	Case GND

Mechanic Dimension (Units in mm)



Ordering Information

C-13-1315C-03-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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