

## THE SPECIFICATION OF AlGaInP RCLED CHIP “PRCM-A08 (Development) ”

### 1. DESCRIPTION

This is a AlGaInP RCLED chip. It is P-side up. The peak wavelength is 650 nm (Typ.).

### 2. ELECTRO - OPTICAL CHARACTERISTICS (Ta=25°C)

CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage ( Vf ) IF=20mA		2.2		V
Reverse Current ( Ir ) Vr=3V			10	uA
Radiated Power <sup>1)</sup> (Po) IF=20mA		1.2		mW
Peak Wavelength ( λ p ) IF=20mA		650		nm
Spectral Radiation Bandwidth ( Δ λ ) IF=20mA		8		nm
Cut Off Frequency (Fc) 20 + 10mA <sub>p-p</sub>		75		MHz

1) LED chip is mounted on TO-18 gold header without resin coated.

### 3. ABSOLUTE MAXIMUM RATINGS

Continuous Maximum Forward Current : 30 mA(DC)  
Reverse Voltage : 3 V(IR=10 μ A)

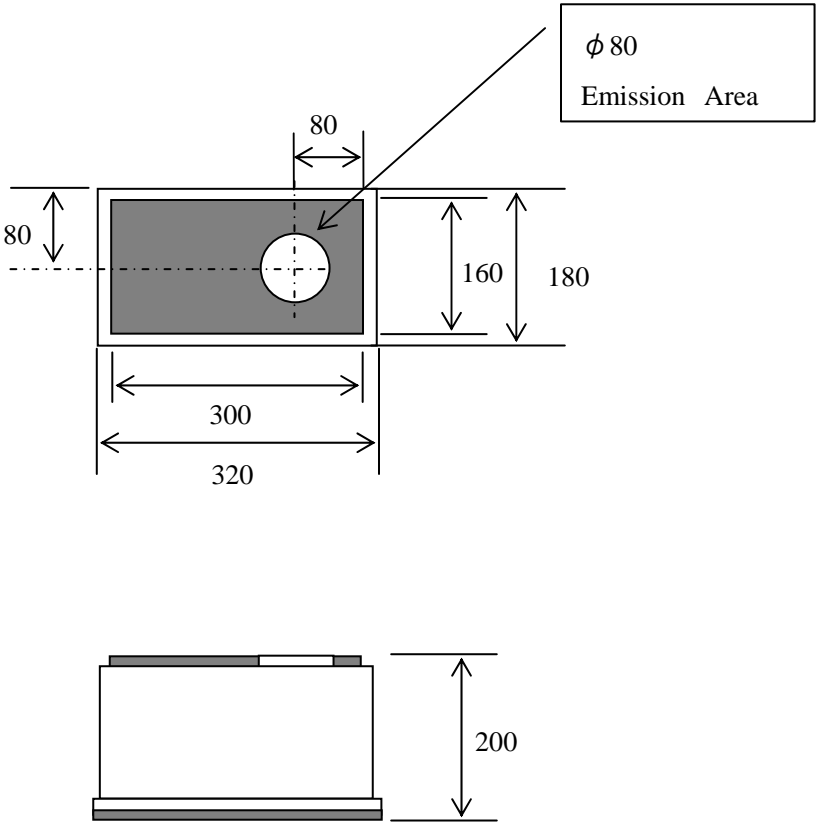
### 4. PHYSICAL CHARACTERISTICS AND STRUCTURE

- 1) Material : AlGaInP
- 2) Structure : Resonant Cavity Structure
- 3) Die size : 0.180mm × 0.320mm
- 4) Thickness : 0.200mm
- 5) Emission area : 0.080mm diameter
- 6) Anode Metallization : Gold Alloy
- 7) Cathode Metallization: Gold Alloy

Physical Dimensions

Model PRCM-A08(Development)

UNIT:um



Remark: This specification is for reference purpose only, and subject to change without prior notice.  
Approved specification shall be obtained for the regular purchase.