

THE SPECIFICATION OF AlGaAs IR LED CHIP "PR7A"

1. DESCRIPTION

This is a AlGaAs red LED chip. It is N-side up.

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

CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage (Vf) IF=20mA		1.8		V
Reverse Voltage (Vr) IR=10uA	5			V
Radiated Power ¹⁾ (Po) IF=20mA	1.0			mW
Peak Wavelength (λp) IF=20mA		660		nm
Spectral Radiation Bandwidth (Δ λ) IF=20mA		30		nm

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

3. ABSOLUTE MAXIMUM RATINGS

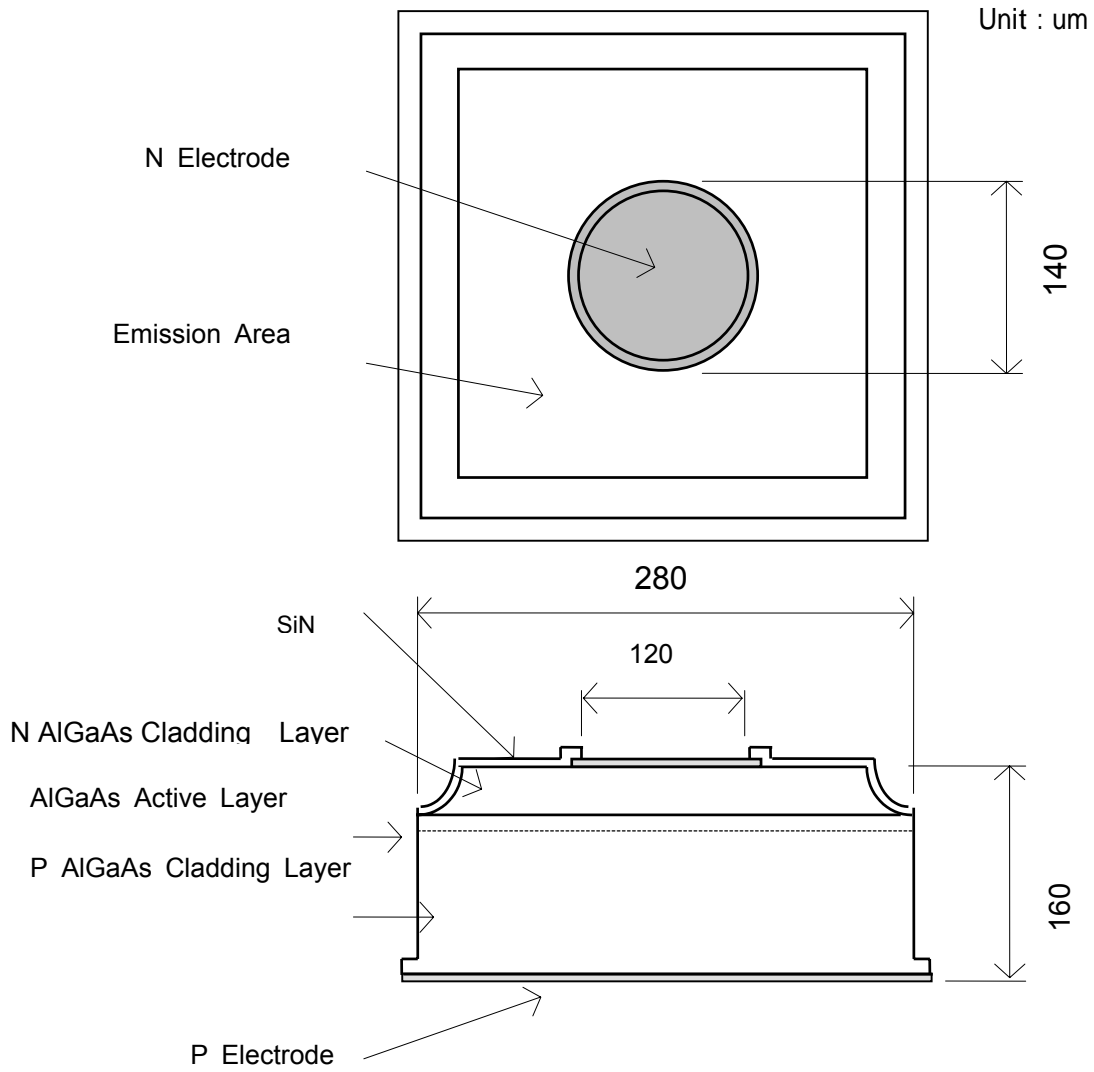
Continuous Maximum Forward Current	: 50 mA(DC)
Reverse Voltage	: 5 V(IR=10uA)
Storage Temperature	
while on mylar membrane	: 0 to 40 deg. C
after removal from mylar membrane	: -30 to 100 deg. C

4. PHYSICAL CHARACTERISTICS AND STRUCTURE

1)Material	: AlGaAs
2)Structure	: Double Hetero Structure
3)Die size	: 0.310mmX0.310mm
4)Junction Size	: 0.280mmX0.280mm
5)Thickness	: 0.160mm
6)Bond Pad Size	: 0.140mm diameter
7)Anode Metallization	: Gold Alloy
8)Cathode Metallization:	Gold Alloy

Physical Dimensions

Model PR7A



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