

THE SPECIFICATION OF AlGaAs IR LED CHIP "PR5J"

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 (V _F) IF=20mA | | 1.8 | | V |
| Reverse Voltage (V _R) IR=10uA | 5 | | | V |
| Radiated Power ¹⁾ (P _o) IF=20mA | | 2.5 | | mW |
| Peak Wavelength (λ _p) IF=20mA | | 675 | | nm |

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

3. ABSOLUTE MAXIMUM RATINGS

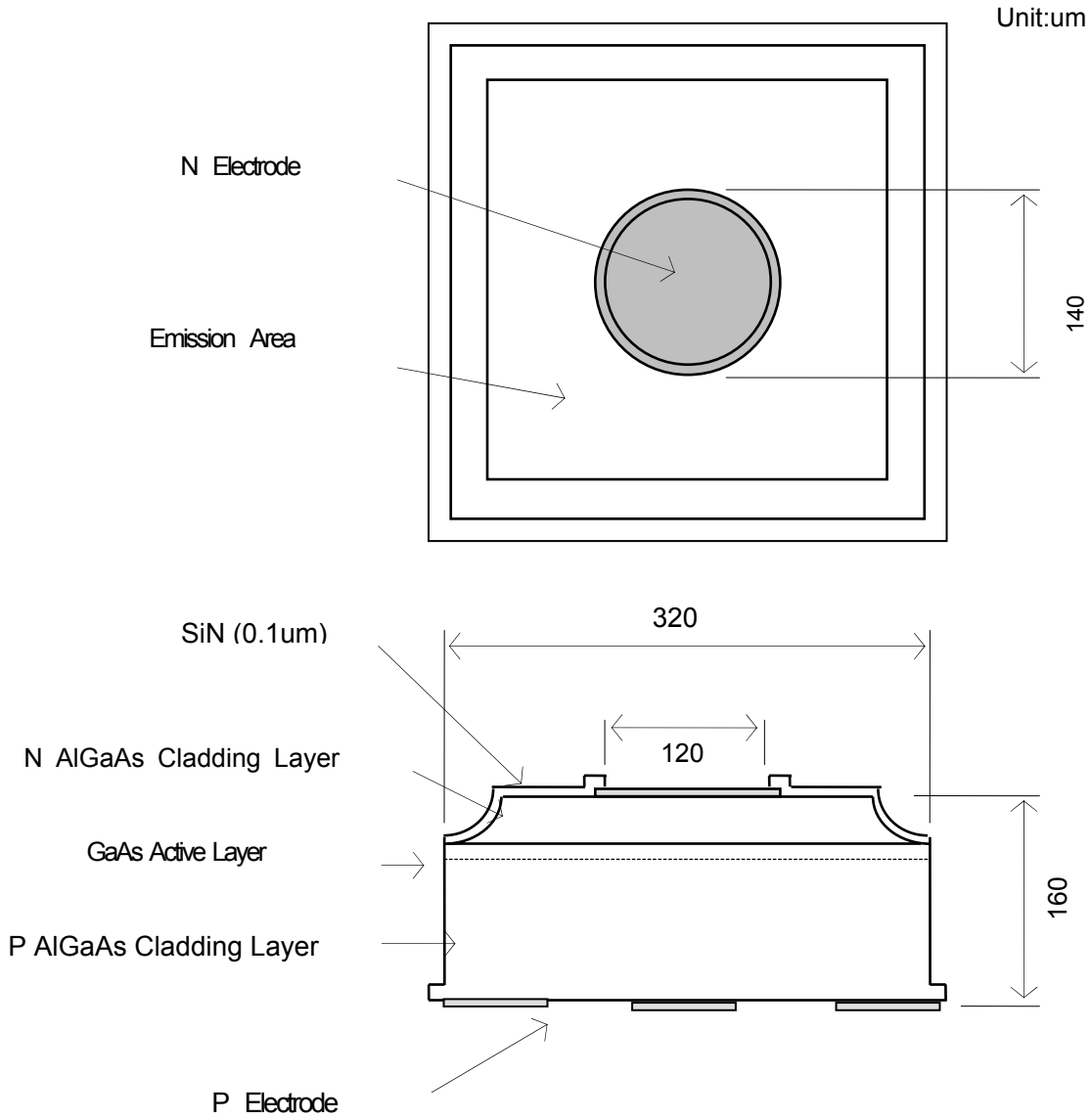
| | |
|------------------------------------|---------------------|
| Continuous Maximum Forward Current | : 50 mA(DC) |
| Reverse Voltage | : 5 V(IR=10uA) |
| Storage Temperature | |
| while on mylar membrane | : 0 to 40 deg. C |
| after removal from mylar membrane | : -30 to 100 def. C |

4. PHYSICAL CHARACTERISTICS AND STRUCTURE

| | |
|--------------------------|---------------------------|
| 1) Material | : AlGaAs |
| 2) Structure | : Double Hetero Structure |
| 3) Junction Size | : 0.320mmX0.320mm |
| 4) Thickness | : 0.160mm |
| 5) Bond Pad Size | : 0.140mm diameter |
| 6) Anode Metallization | : Gold Alloy |
| 7) Cathode Metallization | : Gold Alloy |

Physical Dimensions

Model PR5J



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