

ABSOLUTE MAXIMUM RATINGS

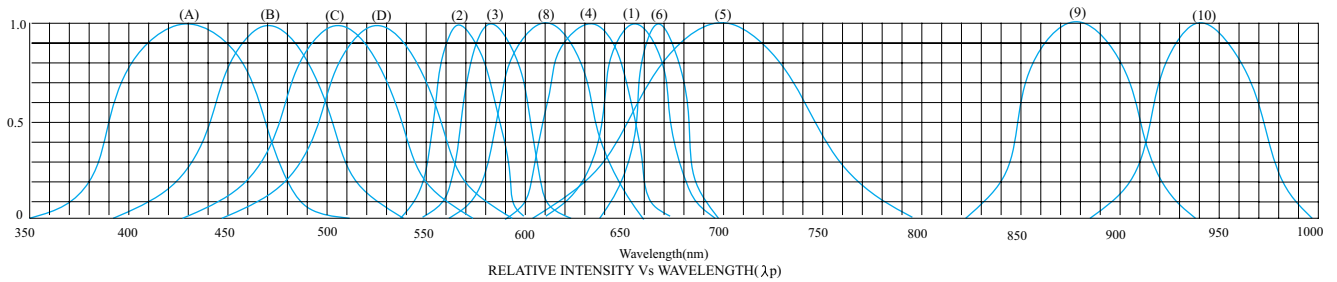
1. Test Condition For Each Parameter :

| Parameter | Symbol | Unit | Test Condition |
|--------------------------------------|--------------------|---------|---------------------------------|
| Reverse Voltage | V_R | V | |
| Reverse Current | I_R | μA | $V_R=5.0\text{V}$ |
| Forward Voltage | V_F | V | $I_F=20\text{mA}$ |
| Luminous Intensity | I_V | Mcd | $I_F=10\text{mA}$ |
| Viewing Angle | $2\theta_{1/2}$ | Degree | $I_F=20\text{mA}$ |
| Spectral Line Half-Width | $\Delta\lambda$ | nm | $I_F=20\text{mA}$ |
| Power Dissipation | P_D | mw | $I_F=20\text{mA}$ |
| Peak Forward Current(Duty 1/10 1KHZ) | $I_F(\text{PEAK})$ | mA | $I_F(\text{PEAK})=150\text{mA}$ |

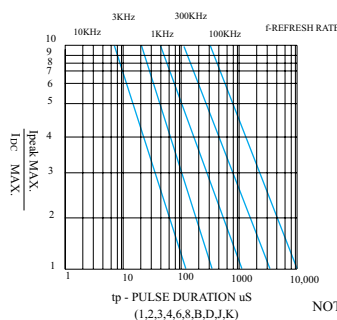
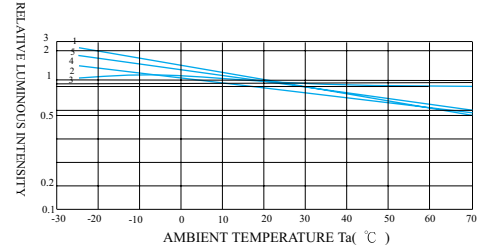
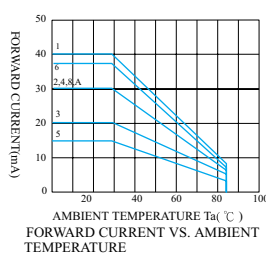
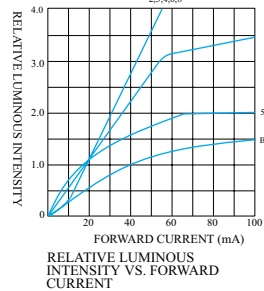
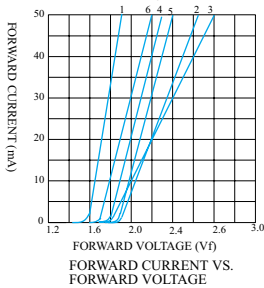
2. Absolute Maximum Ratings :

| | |
|------------------------------------|--|
| Reverse Voltage | 5.0 Volt |
| Reverse Current($V_R=5\text{V}$) | $\leq 100\mu A$ |
| Operating Temperature Range | $-40^\circ\text{C} - +80^\circ\text{C}$ |
| Storage Temperature Range | $-40^\circ\text{C} - +100^\circ\text{C}$ |

TYPICAL ELECTIEICAL-OPTICAL CHARACTERISTICS CURVES



- (1) – GaAsP/GaAs 655nm/Red
- (2) – GaP 568nm/Yellow Green
- (3) – GaAsP/GaP 585nm/Yellow
- (4) – GaAsP/GaP 635nm/Orange & Hi-Eff Red
- (5) – GaP 700nm/Bright Red
- (6) – GaAlAs/GaAs 660nm/Super Red
- (8) – GaAsP/GaP 610nm/Super Red
- (9) – GaAlAs 880nm
- (10) – GaAs/GaAs&GaAlAs/GaAs 940nm
- (A) – GaN/SiC 430nm/Blue
- (B) – InGaN/SiC 470nm/Blue
- (C) – InGaN/SiC 502nm/Ultra Green
- (D) – InGaAl/SiC 523nm/Ultra Green



NOTE: 25 °C free air temperature unless otherwise specified.

