

ABSOLUTE MAXIMUM RATINGS

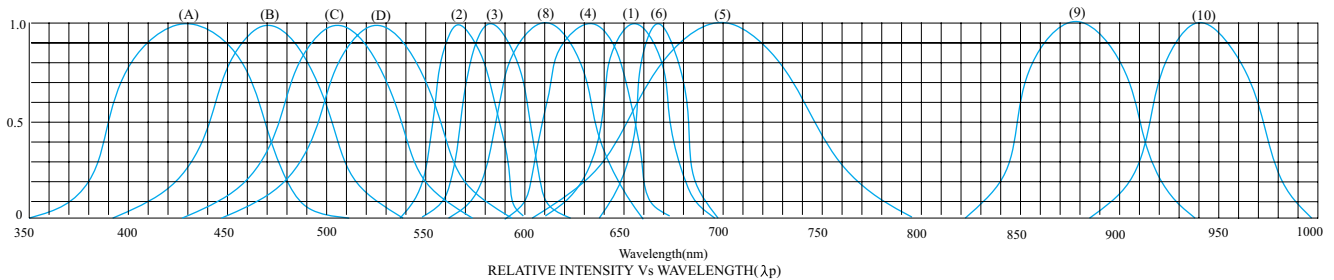
1. Test Condition For Each Parameter :

Parameter	Symbol	Unit	Test Condition
Reverse Voltage	V_R	V	
Reverse Current	I_R	μA	$V_R=5.0\text{Volt}$
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 : ($T_a=25^\circ\text{C}$)

Reverse Voltage	5.0 Volt
Reverse Current($V_R=5\text{V}$)	$\leq 100\mu A$
Operating Temperature Range	$-40^\circ\text{C} \sim +80^\circ\text{C}$
Storage Temperature Range	$-40^\circ\text{C} \sim +85^\circ\text{C}$

TYPICAL ELECTRICAL-OPTICAL CHARACTERISTICS CURVES



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

