



**Absolute Maximum Rating****( Ta= 25 ° C)**

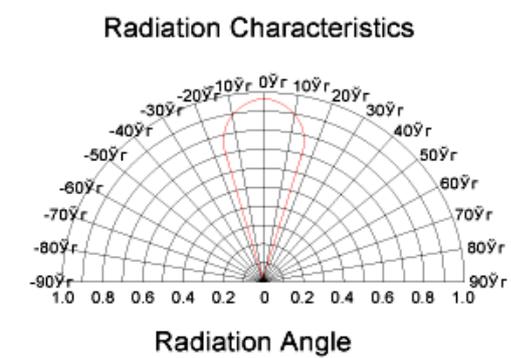
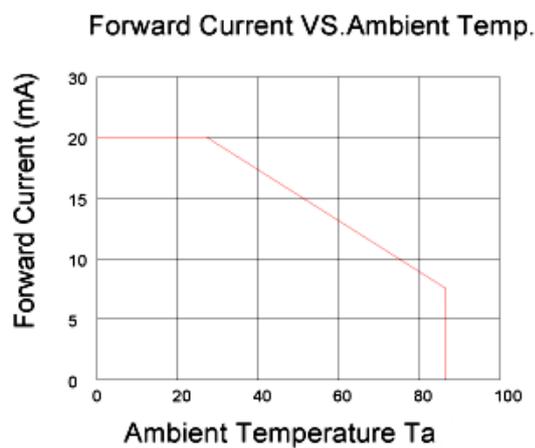
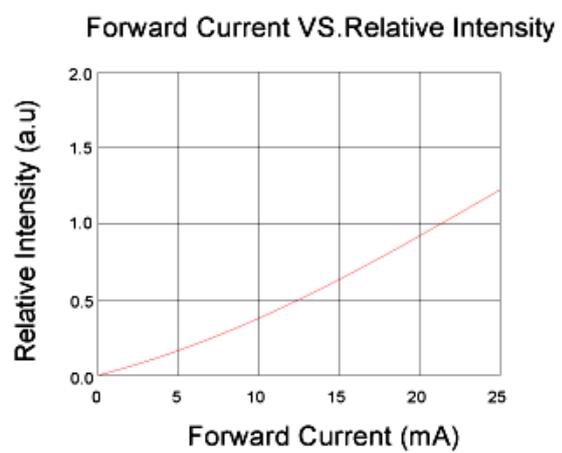
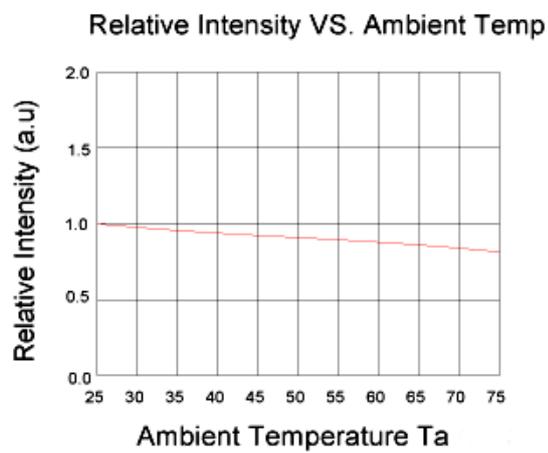
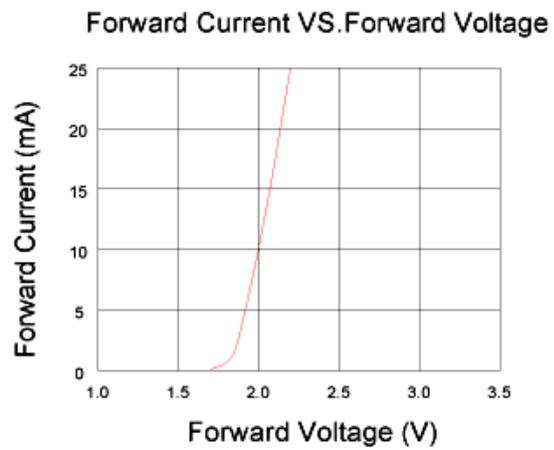
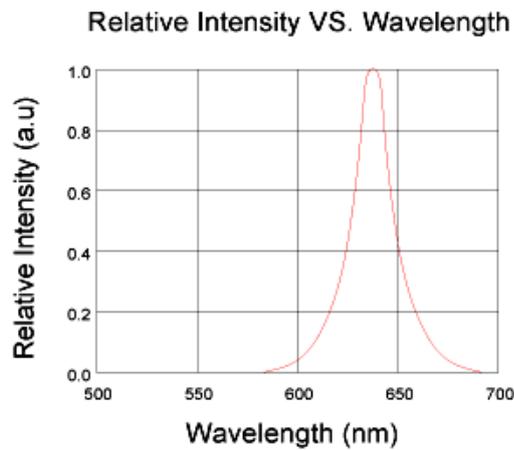
Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Pulse Current	IFPM	R :60 G: 100 B: 100	mA
Forward Current	IFM	20	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	R :60 G: 130 B: 130	mW
Operating Temperature	Topr	-40~ + 80	°C
Storage Temperature	Tstg	-40~ + 100	°C
Soldering Temperature	Tsol	Reflow Soldering : 260 °C for 10 sec. Hand Soldering : 350 °C for 3 sec.	°C

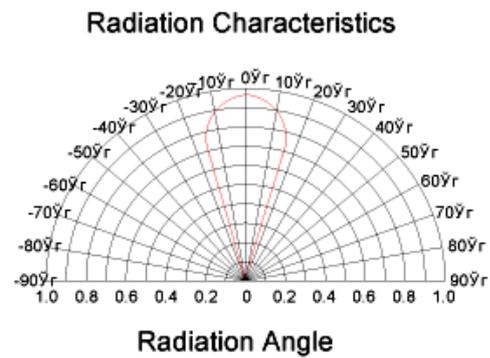
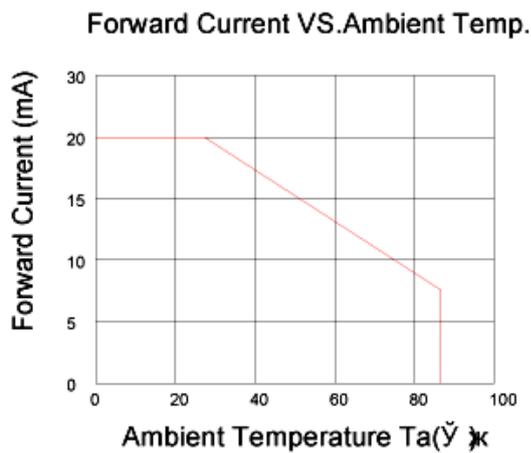
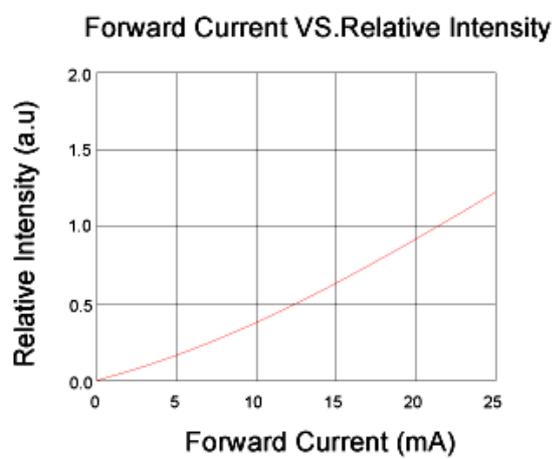
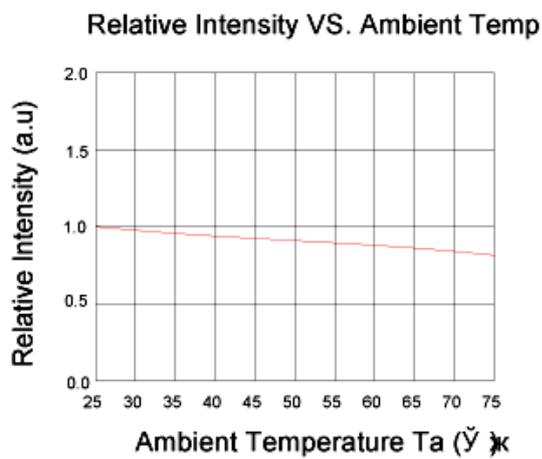
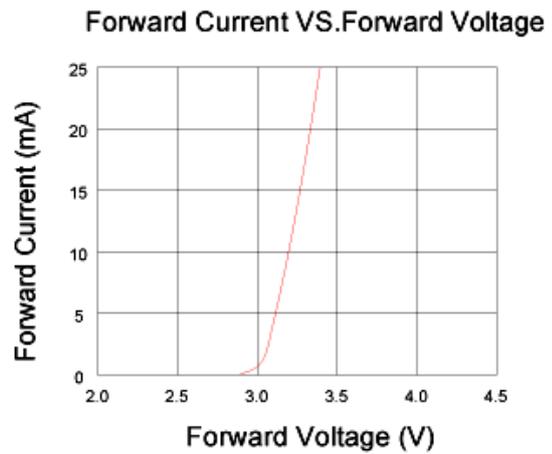
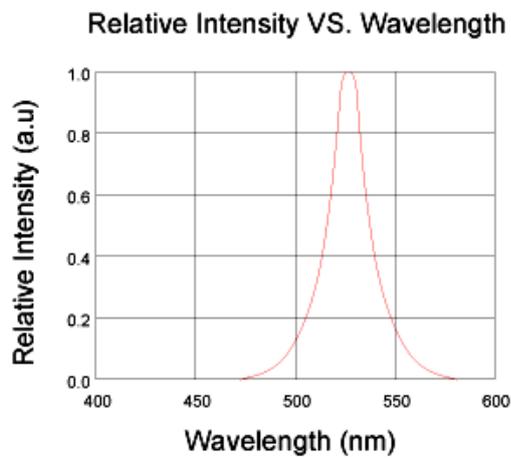
**Electric-optical characteristics****( Ta= 25 ° C)**

Parameter	Symbol	Device	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	Red Green Blue	1000 1500 1000	1500 2000 1200	2000 2700 1500	mcd	IF= 20mA
Viewing Angle	2θ1/2	Red Green Blue	---	30	40	Deg	(Note 1)
Peak Emission Wavelength	λp	Red Green Blue	625 520 460	630 525 465	640 530 470	nm	IF= 20mA
Spectral Line Half-Width	□λ	Red Green Blue	15 15 25	20 20 30	25 25 35	nm	IF= 20mA
Forward Voltage	VF	Red Green Blue	1.9 2.9 2.9	---	2.4 3.3 3.3	V	IF= 20mA
Reverse Current	IR	Red Green Blue	---	---	10	μA	VR= 5V

**Notes**

1. Above specification may be changed without notice. Company will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. Company assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
3. These specification sheets include materials protected under copyright of Company corporation. Please don't reproduce or cause anyone to reproduce them without Company consent.

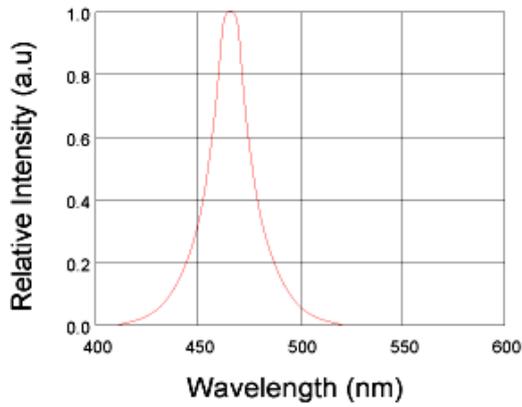




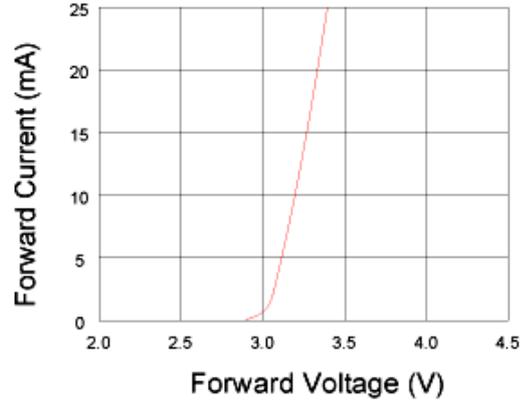
# Typical Electro-Optical Characteristics Curves

Blue

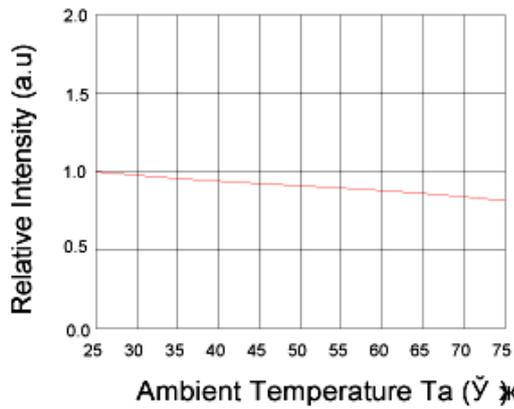
Relative Intensity VS. Wavelength



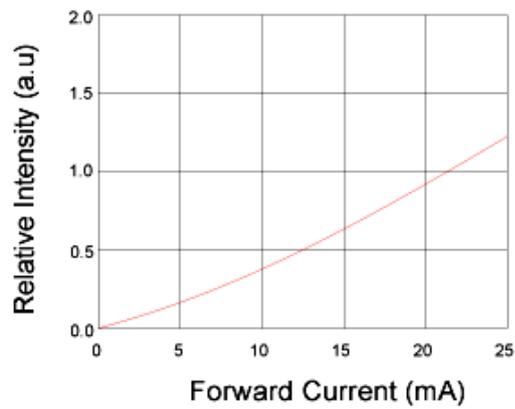
Forward Current VS. Forward Voltage



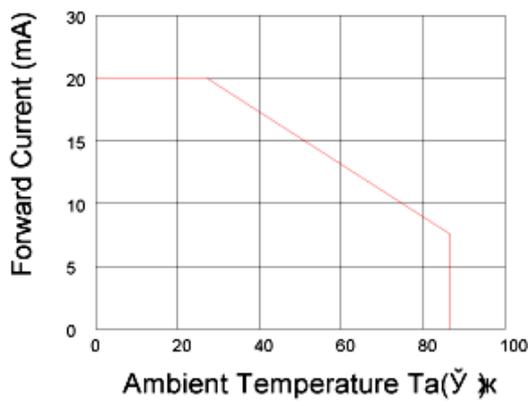
Relative Intensity VS. Ambient Temp



Forward Current VS. Relative Intensity



Forward Current VS. Ambient Temp.



Radiation Characteristics

