

FEATURES

- Water clear lens type.
- $\Phi 5\text{mm}$ (T-1 3/4) All plastic mold type.
- High luminosity.
- Versatile mounting on P.C.Board or panel.
- Remark

Orange LED is very sensitive to EDS.

ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25°C)

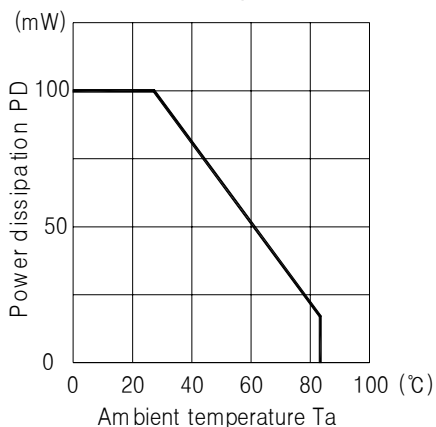
Item		Symbol	Cond.	Min.	Typ.	Max.	Unit
Luminous Intensity Rank	A	I _v	IF=20mA	1700	—	2400	mcd
	B			2400	—	3400	
	C			3400	—	4800	
Forward Voltage		V _F	IF=20mA	1.9	2.0	2.7	V
Peak Wavelength		λ_d	IF=20mA	603	610	613	nm
Reverse Current		I _R	VR=5V	—	—	10	μA
Spectral Line Half-Width		$\Delta \lambda$	IF=20mA		40		nm
Half angle		$\Delta \theta$	IF=20mA		±9		deg.

MAXIMUM RATINGS

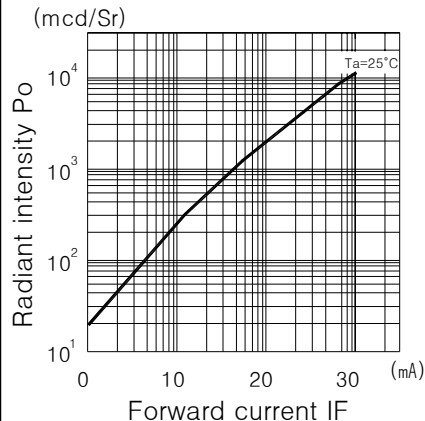
(Ta=25°C)

Item	Symbol	Rating	Unit
Power Dissipation	P _d	100	mW
Forward Current	I _F	30	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	I _{FP}	50	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{opr.}	-25 ~ +85	°C
Storage Temperature	T _{stg.}	-30 ~ +100	°C
Soldering Temperature	T _{sol.}	260 for 3sec.	°C

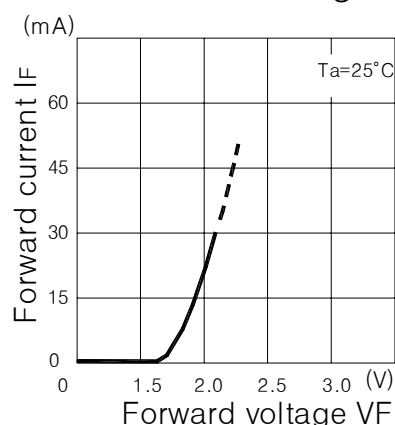
■ Power dissipation Vs Ambient temperature



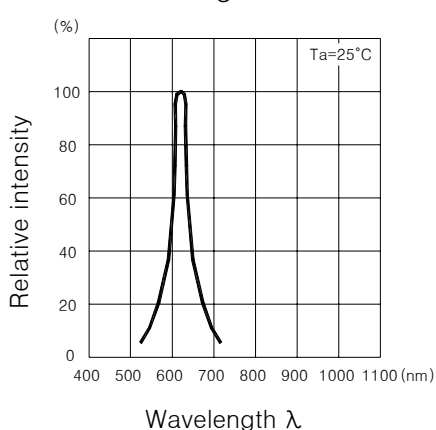
■ Radiant intensity Vs Forward current



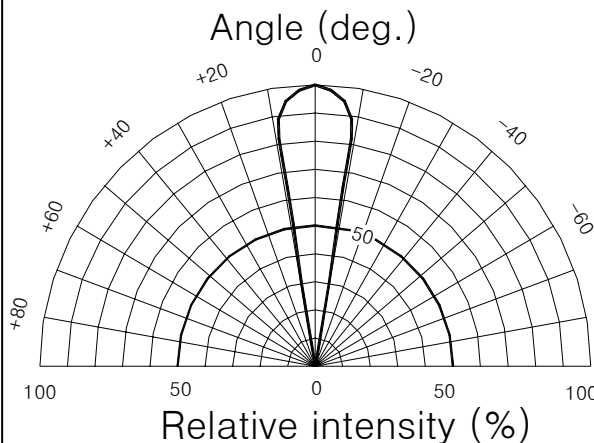
■ Forward current Vs Forward voltage



■ Relative intensity Vs Wavelength



■ Radiant Pattern



■ DIMENSIONS (Unit:mm)

