

FEATURES

- WATER CLEAR LENS TYPE
- Φ 3mm (T-1) ALL PLASTIC MOLD TYPE (FLANGE LENGTH: 3.0mm)
- HIGH LUMINOSITY
- VERSATILE MOUNTING ON P.C. BOARD OR PANEL.

ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25℃)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Luminous Intensity	I_V	$I_F=20\text{mA}$	700	1000	–	mcd
Forward voltage	V_F	$I_F=20\text{mA}$		2.0	2.4	V
Peak Wavelength	λ_D	$I_F=20\text{mA}$	–	589	–	nm
Reverse Current	I_R	$V_R=5\text{V}$	–	–	10	μA
Spectral Line Half-Width	$\Delta\lambda$	$I_F=20\text{mA}$	–	40	–	nm
Viewing Angle	$\Theta_{1/2}$	$I_F=20\text{mA}$	–	± 17	–	deg

(1) Keep the distance more than 2.0mm form PCB to the bottom of LED Package.

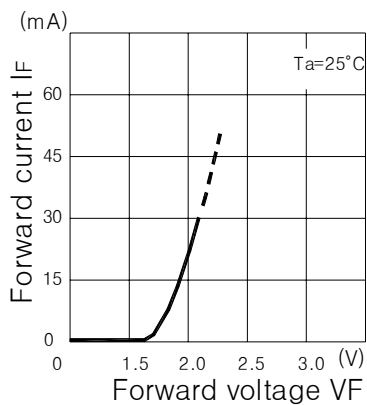
MAXIMUM RATINGS

(Ta=26℃)

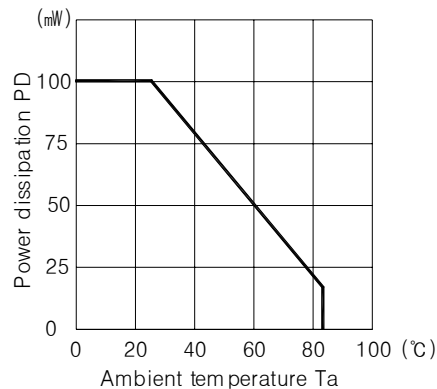
PARAMETER	SYMBOL	RATINGS	UNIT
Power Dissipation	P_D	100	mW
Forward Current	I_F	30	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pluse Width)	I_{FP}	50	mA
Reverse Voltage	V_R	5	V
Operating Temperature Range	T_{opr}	-25℃ to +85℃	℃
Storage Temperature Range	T_{stg}	-30℃ to +100℃	℃
Lead Soldering Temperature ⁽¹⁾	T_{sol}	260℃ for 5Seconds	-

(1) Keep the distance more than 2.0mm form PCB to the bottom of LED Package.

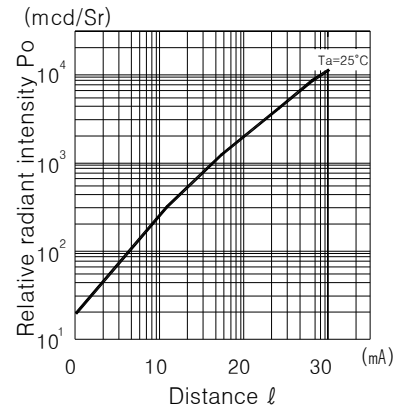
■ Forward current Vs Forward voltage



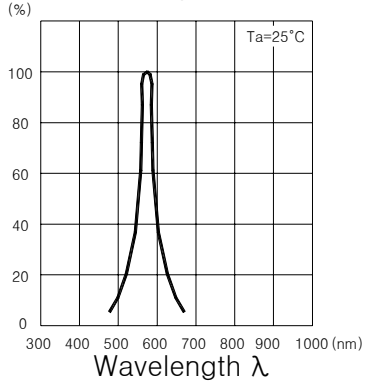
■ Power dissipation Vs Ambient temperature



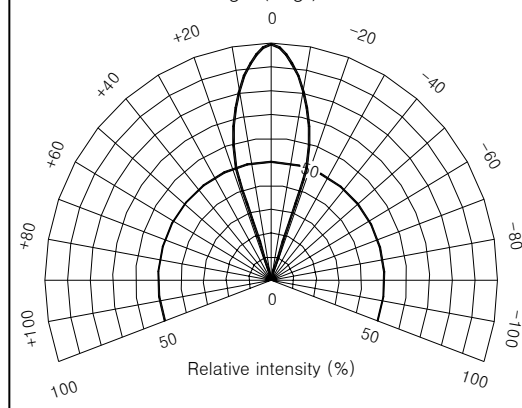
■ Relative radiant intensity Vs Distance



■ Relative intensity Vs Wavelength



■ Radiant Pattern



■ DIMENSIONS (Unit:mm)

