

FEATURES

- WATER CLEAR LENS TYPE
- ϕ 3mm (T-1) ALL PLASTIC MOLD TYPE (FLANGE LENGTH: Min. 2.0mm)
- HIGH LUMINOSITY
- VERSATILE MOUNTING ON P.C. BOARD OR PANEL.
- REMARK

BLUE LED IS VERY SENSITIVE TO EDS.

ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25°C)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Luminous Intensity	I_V	$I_F=20\text{mA}$	600	800	1000	mcd
Forward voltage	V_F	$I_F=20\text{mA}$		3.7	4.0	V
Peak Wavelength	λ_D	$I_F=20\text{mA}$	465	-	470	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

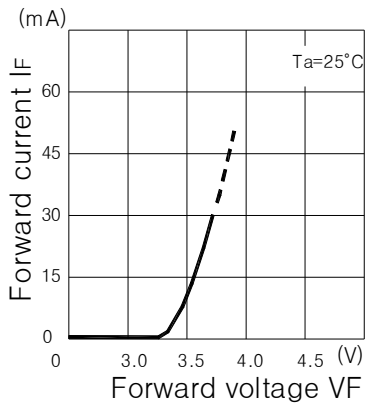
MAXIMUM RATINGS

(Ta=26°C)

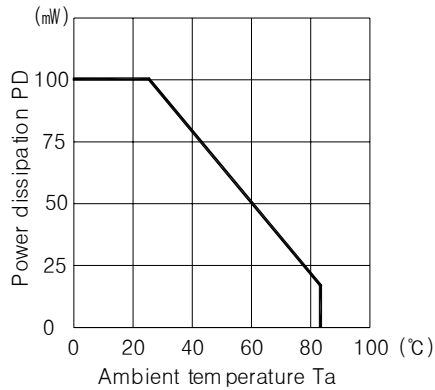
PARAMETER	SYMBOL	RATINGS	UNIT
Power Dissipation	P_D	100	mW
Forward Current	I_F	30	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pluse Width)	I_{FP}	50	mA
Reverse Voltage	V_R	5	V
Operating Temperature Range	T_{opr}	-25°C to +85°C	°C
Storage Temperature Range	T_{stg}	-30°C to +100°C	°C
Lead Soldering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

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

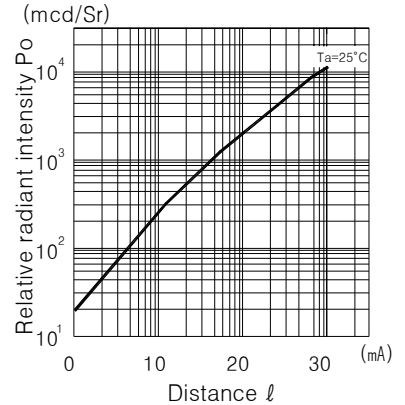
■ Forward current Vs Forward voltage



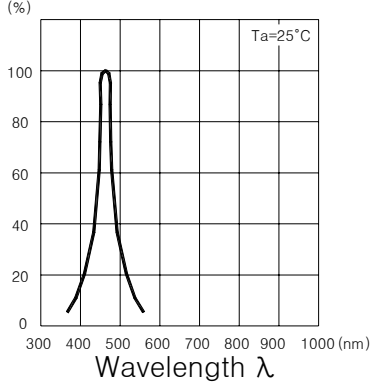
■ Power dissipation Vs Ambient temperature



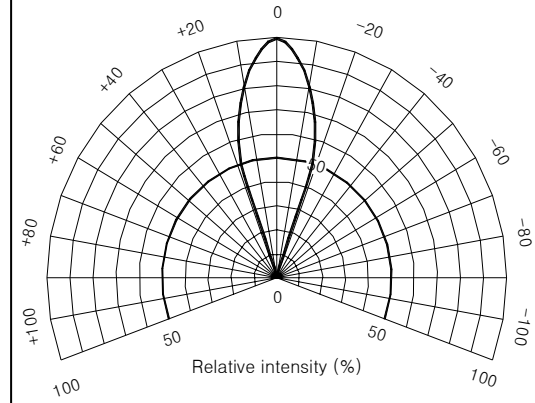
■ Relative radiant intensity Vs Distance



■ Relative intensity Vs Wavelength



■ Radiant Pattern



■ DIMENSIONS (Unit:mm)

