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Light It Up

Deluxe Power Super Flux Red LED

OS5RKAZ2C1P

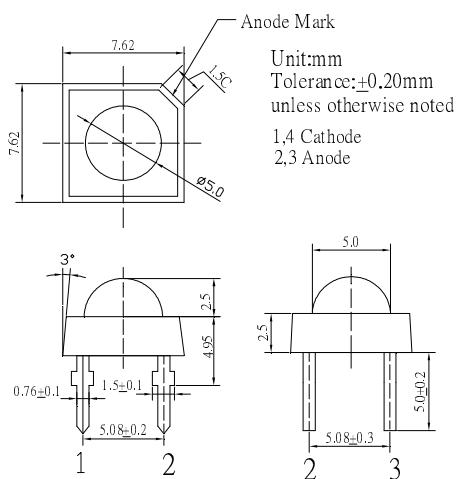
■Features

- High Luminous Super Flux Output
- 5 ø Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Traffic Signal
- Backlighting
- Signal and channel letter
- Other Lighting

■Outline Dimension



■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	70	mA
Pulse Forward Current#	I _{FP}	120	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	182	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	260 °C /5sec	-

#Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F	I _F =70mA	-	2.5	2.9	V
DC Reverse Current	I _R	V _R =5V	-	-	10	µA
Domi. Wavelength*2	λ _D	I _F =70mA	620	625	630	nm
Luminous Flux*3	Φ _v	I _F =70mA	8	10	12	lm
Luminous Intensity*4	I _v	I _F =70mA	8400	10000	-	mcd
50% Power Angle	2θ _{1/2}	I _F =70mA	-	120	-	deg

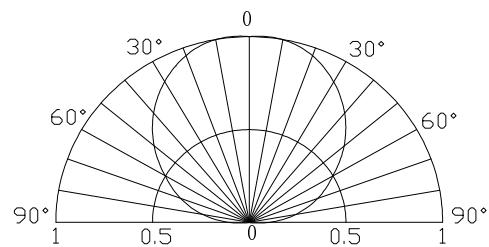
*1 Tolerance of measurements of forward voltage is ±0.1V

*2 Tolerance of measurements of dominant wavelength is ±1nm

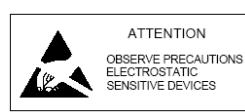
*3 Tolerance of measurements of Luminous Flux is ±15%

*4 Tolerance of measurements of luminous intensity is ±15%

■Directivity



LED & Application Technologies





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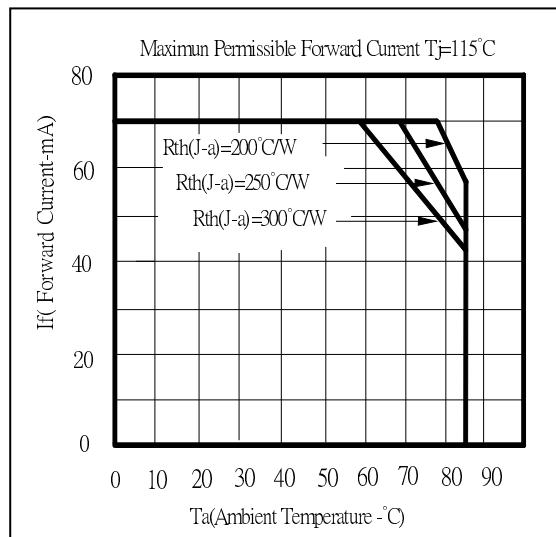
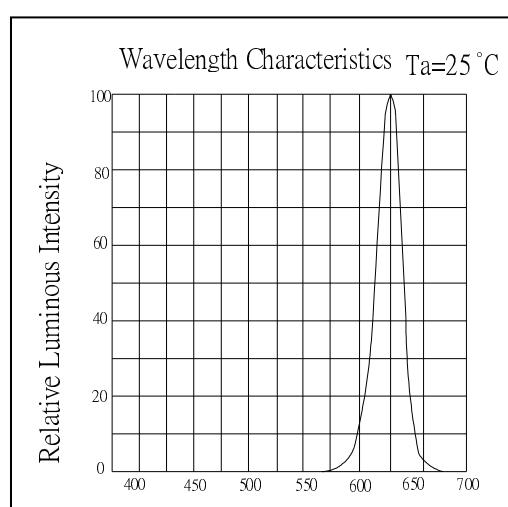
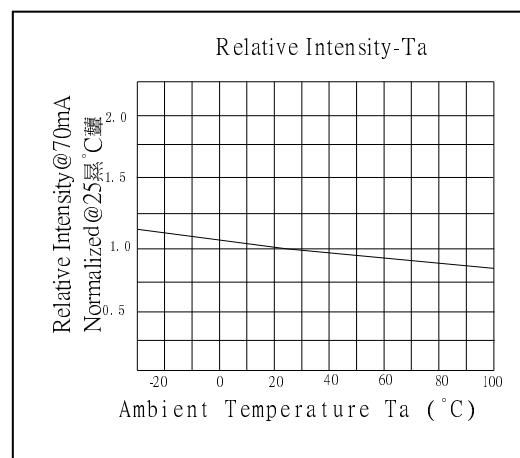
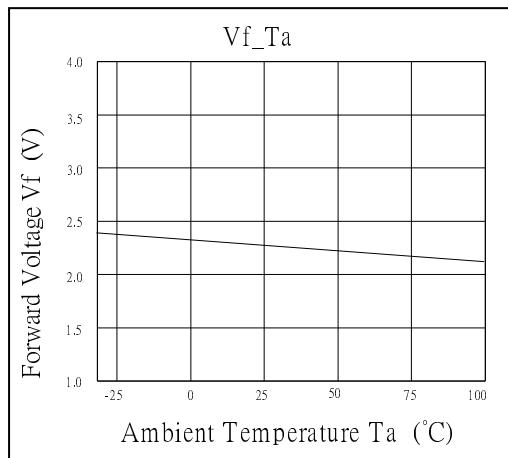
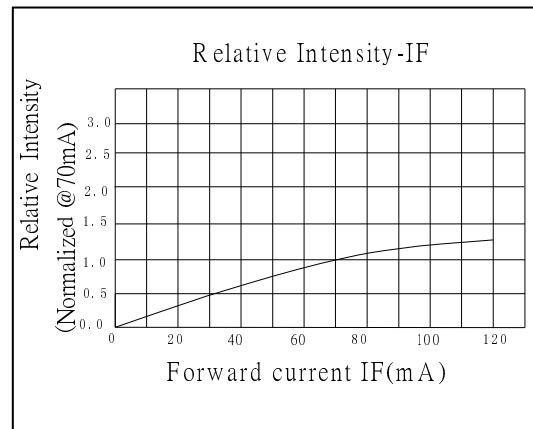
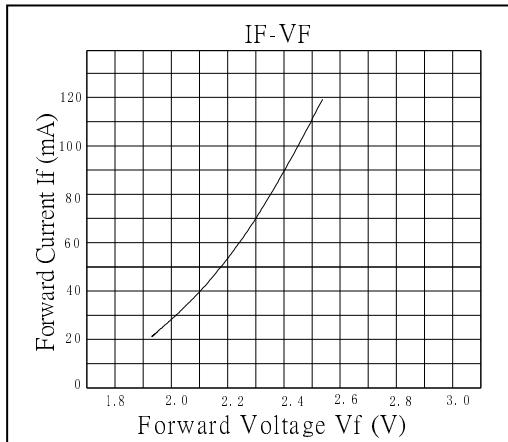
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AlGaInP LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES



LED & Application Technologies



REACH
The new EU chemicals legislation

