

Ultra Bright Lamp

Features :

- High Power LEDs
- Superior Weather-resistance Epoxy
- UV Resistant

Applications :

- Advertising Signs
- Indicators
- LCD Back-light
- Illuminations

Dice Material	Light Color	Lens Color
AlGaInP Super Brightness Red	Red Color	Water Transparent

Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	P _D	75	mW
Continuous Forward Current	I _F	30	mA
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	160	mA
Reverse Voltage	V _R	5	V
Derating Linear From 25°C	---	0.4	mA/°C
Operating Temperature Range	T _{opr}	-30 to +85	°C
Storage Temperature Range	T _{stg}	-40 to +100	°C
Lead Solder Temperature 1.6mm Below Package 260°C for 5 seconds			

Electrical / Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	IF=20mA		1.95	2.4	V
Reverse Current	I _R	VR=5V			10	uA
Peak Emission Wavelength	λ _P	IF=20mA		639		nm
Dominant Wavelength	λ _D	IF=20mA	626	631	636	nm
Viewing Angle	2θ _{1/2}	IF=20mA		15		Deg
Luminous Intensity	I _V	IF=20mA	6000	7500		mcad

※ Please refer to CIE 1931 chromaticity diagram