Description

The **LK339-1URVGW** series are AlGaInP Light Emitting Diode, The series is specially designed for applications requiring higher brightness. The led lamp is available with different colors, intensities epoxy colors, etc.

Features

- High luminous power.
- Can be driven at low current.
- 2.54mm lead spacing.
- Available on tape and reel.
- The product itself will remain within RoHS Compliant version.

Applications

- TV set.
- Monitor.
- Telephone.
- Computer.

Absolute Maximum Ratings (at Ta=25℃)

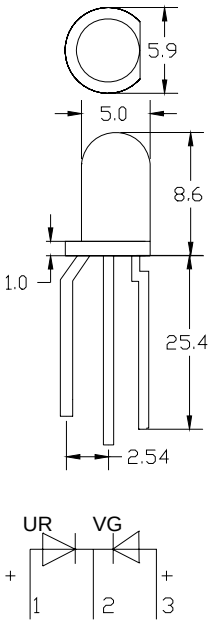
Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P_D	100	mW
Forward Current	I_F	30	mA
Peak Forward Current (Pulse width≦100 μS duty≦1/10)	I_{FP}	60	mA
Reverse Voltage	V_R	5	V
Operation Temperature	Topr	-25 ~+85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Electrostatic Discharge	ESD	3000	V
Lead Soldering Temperature (2mm from the case t≦5S)	Tsol	260	°C

Basic Characteristics

T_a=25℃

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F=20mA	--	1.8/2.1	2.2/2.3	V
Reverse Current	I_R	V_R=5V	--	--	10	μA
Dominant Wavelength	λ_D	I_F=20mA	--	630/570	--	nm
Peak Wavelength	λ_P	I_F=20mA	--		--	nm
Spectral Bandwidth	$\Delta\lambda$	I_F=20mA	--	30	--	nm
Luminous Intensity	I_V	I_F=10mA		50/80	--	mcd
Viewing Angle	$2\theta_{1/2}$	I_F=20mA	--	30	--	deg

Package Dimensions



Notes: without special declared, the tolerance is +/-0.25mm

■ Typical Electrical / Optical / Characteristics Curves

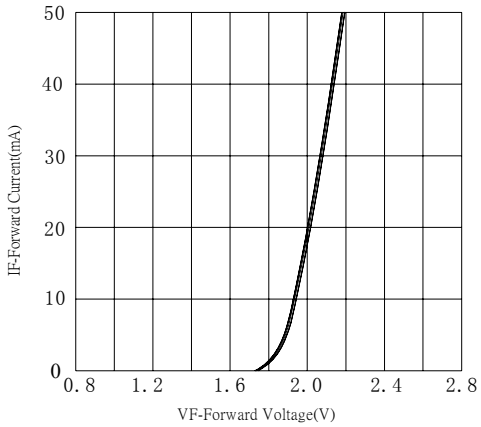
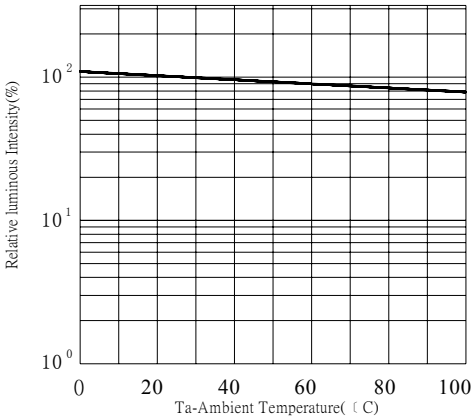


Fig.1 Forward Current vs.Forward Voltage



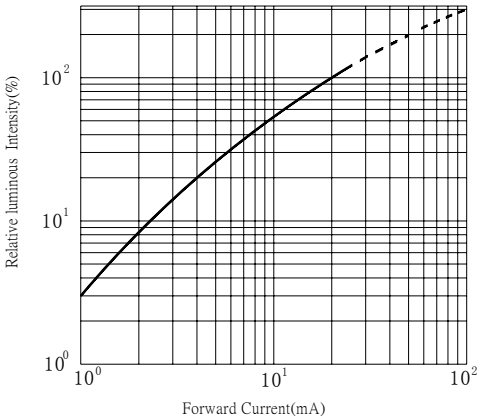


Fig.3 Relative luminous Intensity vs.Forward Current

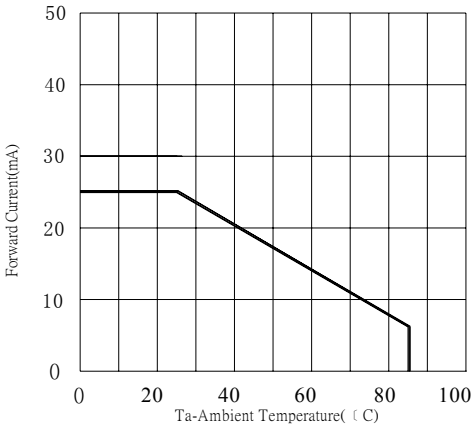


Fig.4 Forward Current vs.Ambient Temperature

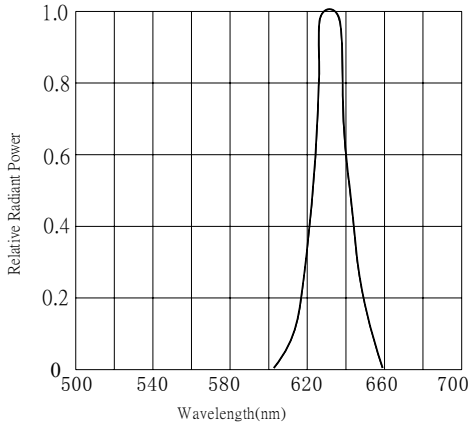


Fig.5 Relative Radiant Power vs.Wavelength

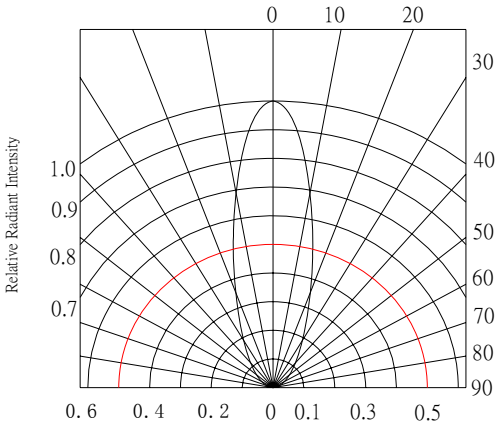
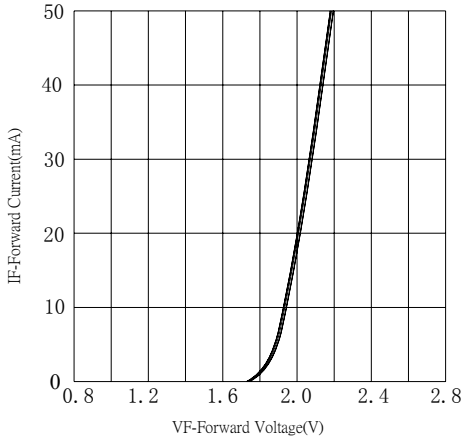


Fig.6 Relative Radiant Intensity vs.Angular Displacement



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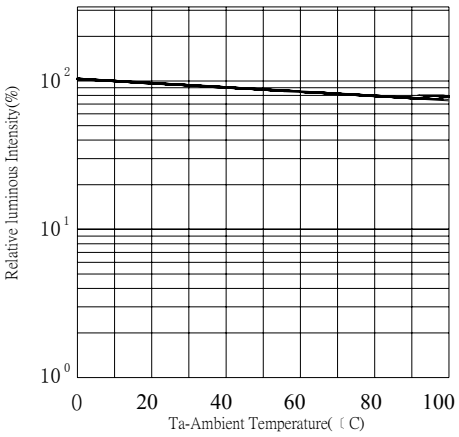


Fig.2 Relative luminous Intensity vs.Ambient Temperature

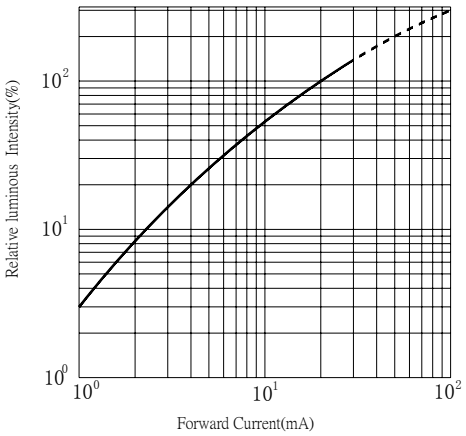


Fig.3 Relative luminous Intensity vs.Forward Current

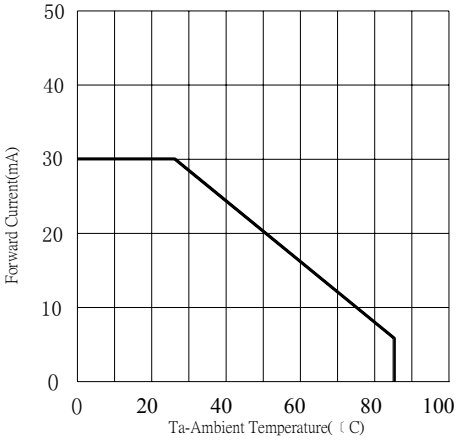
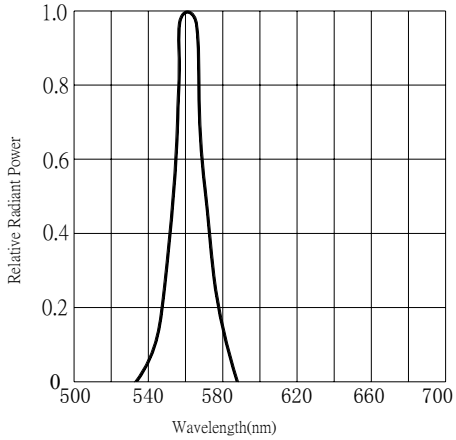


Fig.4 Forward Current vs.Ambient Temperature



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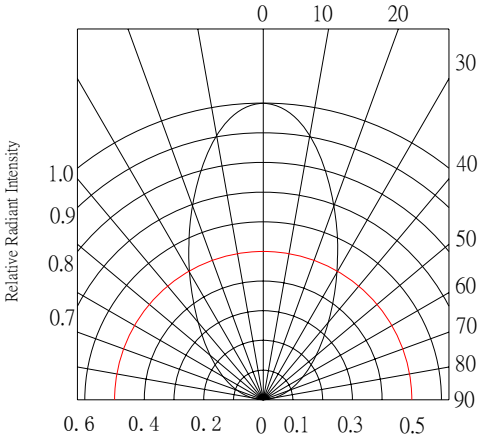

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