

2*3*4mm square type LED**LK5234UYOC**

■ Description

The **LK5234UYOC** series are **AlGaInP** Light Emitting Diode, molded in Water Clear plastic Packages.

■ Features

- Popular 5mm diameter package .
- Choice of various viewing angles.
- Available on tape and reel.
- Reliable and robust.
- The product itself will remain within RoHS Compliant version.

■ Applications

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

■ Absolute Maximum Ratings (at Ta=25°C)

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P _D	60	mW
Forward Current	I _F	25	mA
Peak Forward Current (Pulse width ≤ 100 μS duty ≤ 1/10)	I _{FP}	60	mA
Reverse Voltage	V _R	5	V
Operation Temperature	T _{opr}	-25 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Electrostatic Discharge	ESD	2000	V
Lead Soldering Temperature (2mm from the case t ≤ 5S)	T _{sol}	260	°C

2*3*4mm square type LED

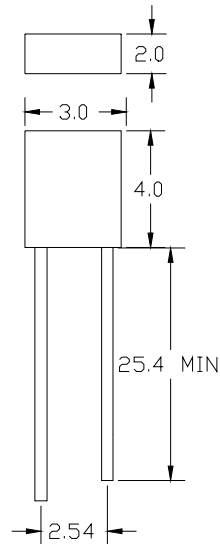
LK5234UYOC

Basic Characteristics

 $T_a=25^{\circ}\text{C}$

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$	--	2.0	2.4	V
Reverse Current	I_R	$V_R=5\text{V}$	--	--	10	μA
Dominant Wavelength	λ_D	$I_F=20\text{mA}$	--	595	--	nm
Peak Wavelength	λ_P	$I_F=20\text{mA}$	--	605	--	nm
Spectral Bandwidth	$\Delta \lambda$	$I_F=20\text{mA}$	--	20	--	nm
Luminous Intensity	I_V	$I_F=20\text{mA}$		80	100	mcd
50% View Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	--	130	--	deg

Package Dimensions



Notes: without special declared, the tolerance is $\pm 0.25\text{mm}$

■ Typical Electrical / Optical / Characteristics Curves

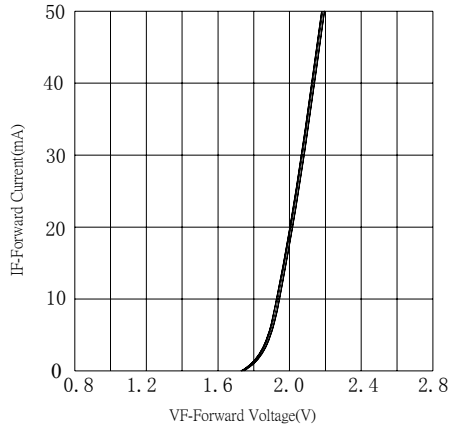


Fig.1 Forward Current vs.Forward Voltage

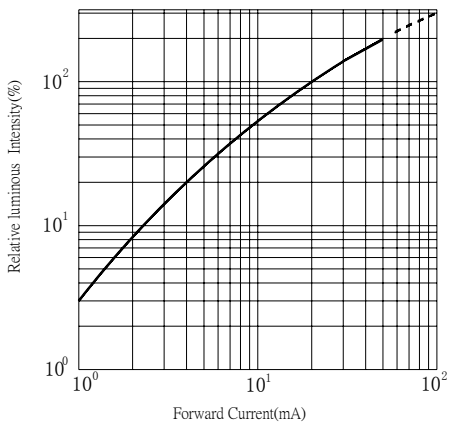
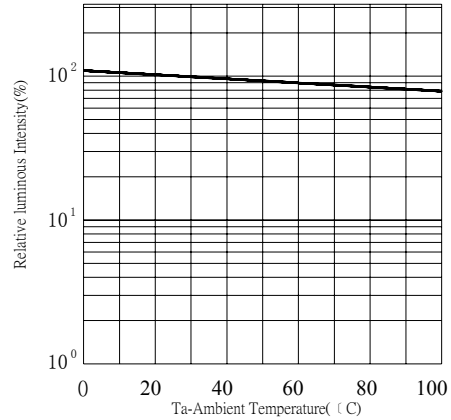


Fig.3 Relative luminous Intensity vs.Forward Current

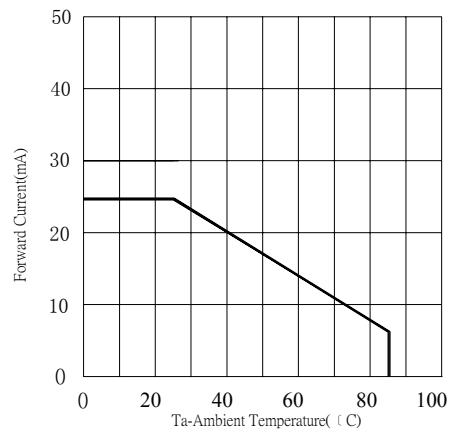


Fig.4 Forward Current vs.Ambient Temperature

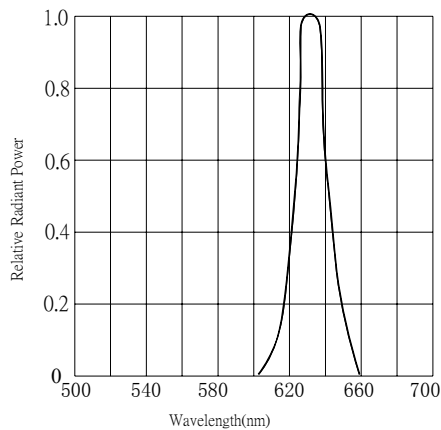


Fig.5 Relative Radiant Power vs.Wavelength

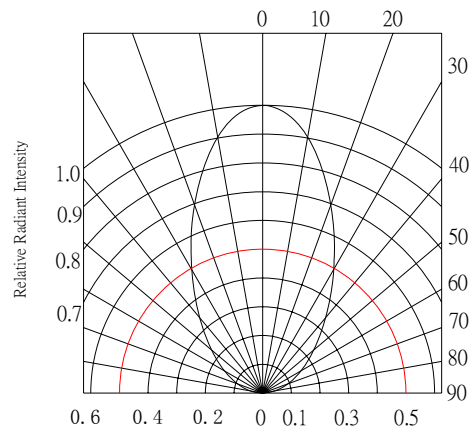


Fig.6 Relative Radiant Intensity vs.Angular Displacement