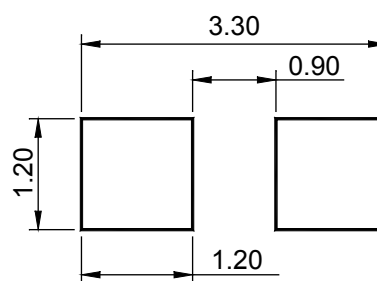
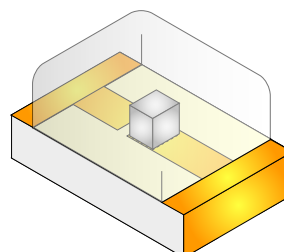
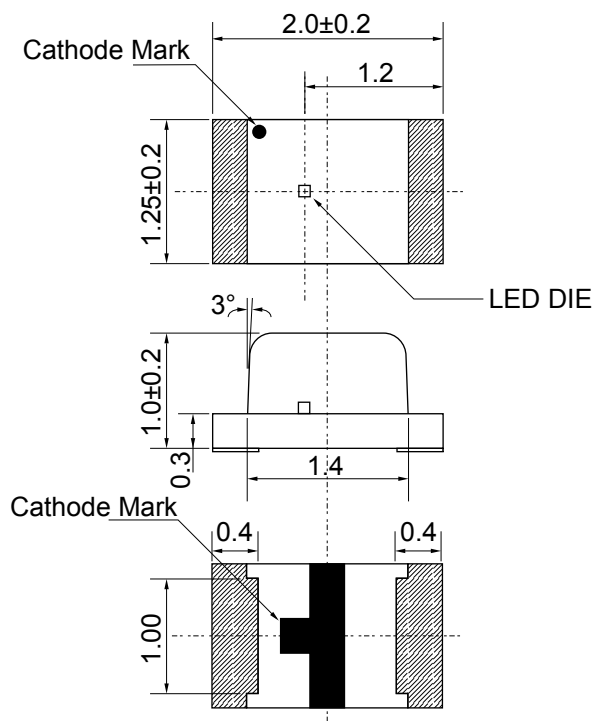


KT0805CC



RECOMMEND PAD LAYOUT

NOTES:
1. All dimensions are in millimeters (inches);
2. Tolerances are ± 0.1 mm (0.004 inch) unless otherwise noted.



Absolute maximum ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Forward current	I_f	30	mA
Reverse voltage	V_r	5	V
Power dissipation	P_d	80	mW
Operating temperature range	T_{opr}	$-25 \sim +80$	$^\circ\text{C}$
Storage temperature range	T_{stg}	$-30 \sim +85$	$^\circ\text{C}$
Peak pulsing current *1	I_{fp}	100	mA

Item	Materials
Resin (mold)	Epoxy
Bonding wire	$\phi 25 \mu\text{m}$ Au
Lens color	Water Clear
Printed circuit board	-
Dice	AlGaInP
Emitted color	Super Red

Electro-Optical characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Wavelength at peak emission	$I_f = 20\text{mA}$	λ_p	-	645	-	nm
Spectral half bandwidth	$I_f = 20\text{mA}$	$\Delta\lambda$	-	20	-	nm
Dominant wavelength	$I_f = 20\text{mA}$	λ_d	627		637	nm
Forward voltage	$I_f = 20\text{mA}$	V_f	-	2.0	2.6	V
Luminous intensity	$I_f = 20\text{mA}$	I_v	18.5	40	-	mcd
Viewing angle	$I_f = 20\text{mA}$	$2\theta_{1/2}$	-	120	-	Deg
Reverse current	$V_r = 5\text{V}$	I_r	-	-	100	μA

*1 Condition for IFP. Is pulse of 1/10 duty and 0.1 msec width.