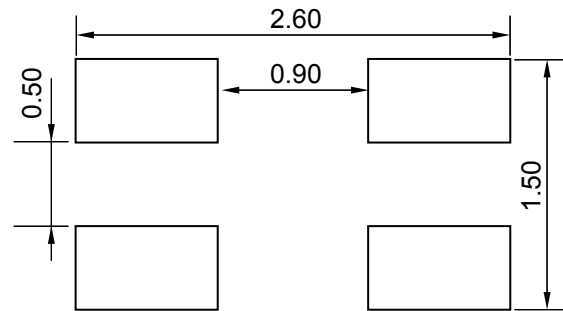
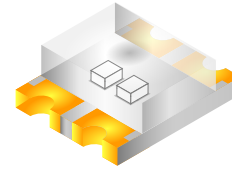
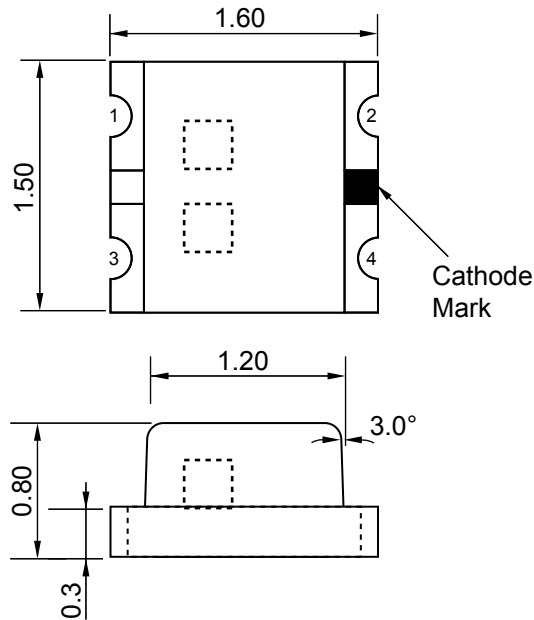
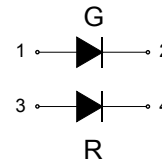


### KT0603CJC



RECOMMEND PAD LAYOUT



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

#### Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Value		Unit
		R	G	
Forward current	I <sub>f</sub>	30		mA
Reverse voltage	V <sub>r</sub>	5		V
Power dissipation	P <sub>d</sub>	69 / 81		mW
Operating temperature range	T <sub>op</sub>	- 20 ~ + 80		°C
Storage temperature range	T <sub>stg</sub>	- 20 ~ + 80		°C
Peak pulsing current *1	I <sub>fp</sub>	125		mA

Item	Materials
Resin (mold)	Epoxy
Bonding wire	∅25 μm Au
Lens color	Water Clear
Printed circuit board	BT (White)
Dice	GaAlAs/GaP
Emitted color	Red / Green

#### Electro -Optical characteristics (Ta=25°C)

Parameter	Test Condition	Symbol	Red			Green			Unit
			Min	Typ	Max	Min	Typ	Max	
Wavelength at peak emission	I <sub>f</sub> =20mA	λ <sub>p</sub>	650	660	670	560	565	570	nm
Spectral half bandwidth	I <sub>f</sub> =20mA	Δλ	-	25	-	-	30	-	nm
Dominant wavelength	I <sub>f</sub> =20mA	λ <sub>D</sub>	-	650	-	-	573	-	nm
Forward voltage	I <sub>f</sub> =20mA	V <sub>f</sub>	-	1.8	2.3	-	2.2	2.7	V
Luminous intensity	I <sub>f</sub> =20mA	I <sub>v</sub>	4	-	-	3	-	-	mcd
Viewing angle	I <sub>f</sub> =20mA	2θ <sub>1/2</sub>	-	140	-	-	140	-	Deg
Reverse current	V <sub>r</sub> =5V	I <sub>r</sub>	-	-	10	-	-	10	μA

\*1 Condition for I<sub>FP</sub>. Is pulses of 1/10 duty and 0.1 msec width.