

1608 Infrared Emitting Diode

KCL1608

Description

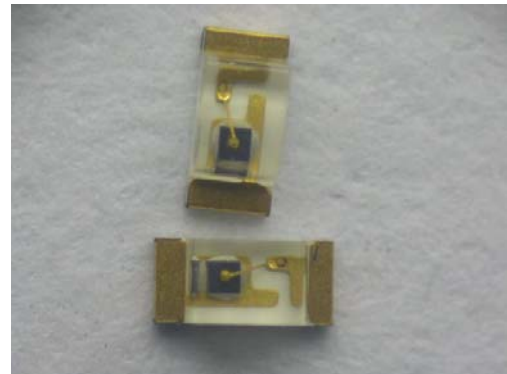
The KCL1608 is an Infrared Emitting Diode in miniature SMD package which is molded in a water clear plastic with flat top view lens.

Features

- Low forward voltage
- Package in 8mm tape on 7 inch diameter reel
- Small Double - End package

Applications

- PCB mounted infrared sensor
- Floppy Disk Drive
- Optical switches



Absolute Maximum Ratings

(T_A=25°C)

Parameter	Symbol	Rating	Unit
Continuous Forward Current	I _F	50	mA
Reverse Voltage	V _R	5	V
Pulse Forward Current* ¹	I _{FP}	100	mA
Power Dissipation	P _D	100	mW
Operating Temperature	T _{opr.}	-25~+85	
Storage Temperature	T _{stg.}	-40~+85	
Soldering Temperature* ²	T _{sol}	260	

*1. Pulse width tw=100μsec, cycle T=10msec

*2. Distance from end of the package =2mm, Soldering time=3 seconds. Max.

Electrical Characteristics (T_a=25°C)

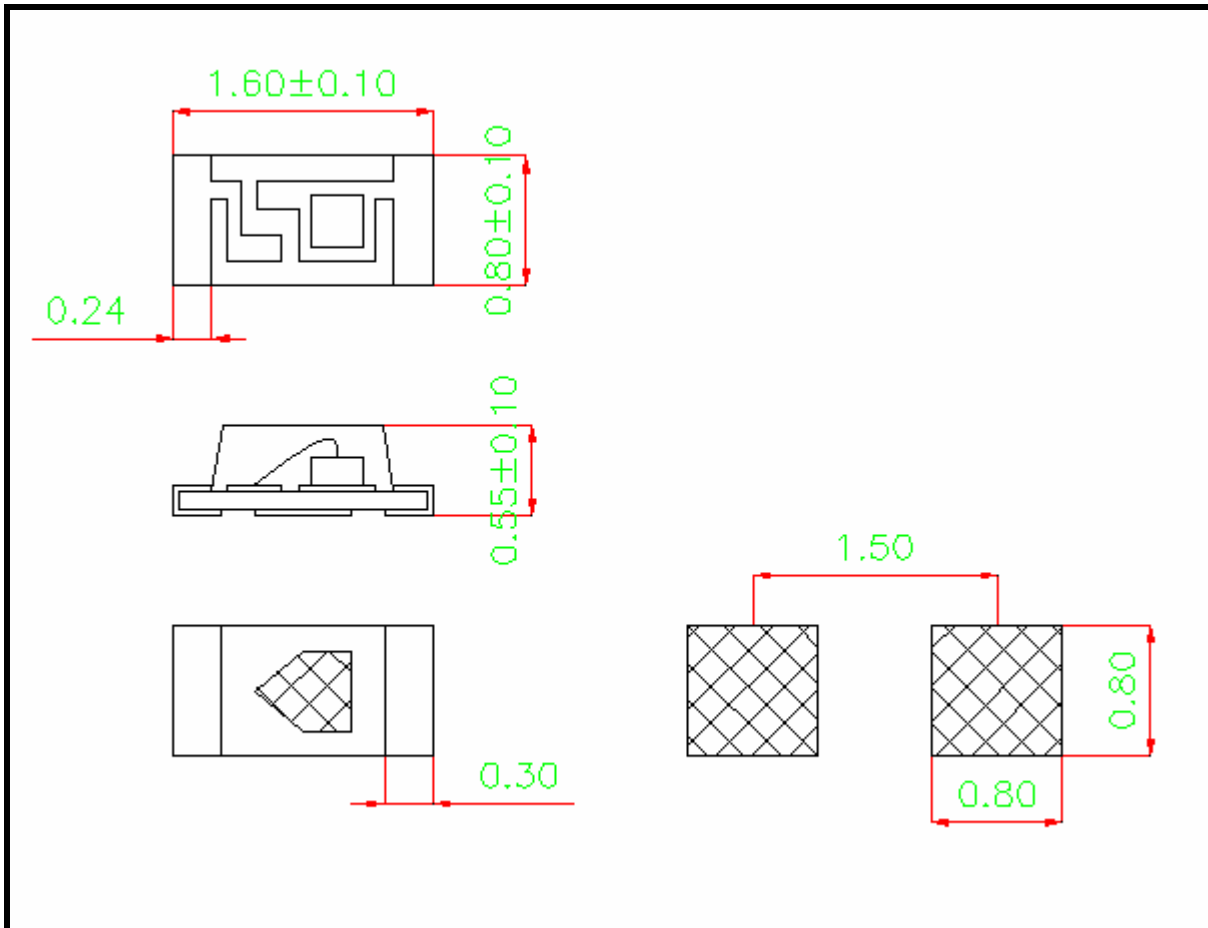
Description	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	IF=20mA	-	1.3	2.0	V
Reverse Current	I _R	VR=5V	-	-	10	uA
Radiant intensity	P _o	IF=20mA	-	3.9	-	mW
Peak Wavelength	λ _p	IF=20mA	-	870	-	nm
Spectral Width at FWHM	Δλ	IF=20mA	-	50	-	nm
Half Angle (View Angle)	ΔΘ	-	-	±60	-	deg.
Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit

The contents of this data sheet are subject to change without advance notice for the purpose of improvement. When using this product, would you please refer to the latest specifications.

Ordering Information

Part Number	Marking Code	Package	Packaging
KCL1608	-	COB	Reel

Package Outline Dimensions



- Notes :
1. All dimension are in millimeters
 2. General Tolerance is ± 0.1 mm.

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