# 1608 Infrared Emitting Diode

## 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**

Parameter	Symbol	Rating	Unit
Continuous Forward Current	I <sub>F</sub>	50	mA
Reverse Voltage	V <sub>R</sub>	5	V
Pulse Forward Current*1	I <sub>FP</sub>	100	mA
Power Dissipation	PD	100	mW
Operating Temperature	Topr.	-25~+85	
Storage Temperature	Tstg.	-40~+85	
Soldering Temperature* <sup>2</sup>	Tsol	260	

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

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

## Electrical Characteristics (Ta=25°C)

Description	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V <sub>F</sub>	IF=20mA	-	1.3	2.0	V
Reverse Current	I <sub>R</sub>	VR=5V	-	-	10	uA
Radiant intensity	Po	IF=20mA	-	3.9	-	mW
Peak Wavelength	λр	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.	Тур.	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.

KODENSHI AUK



# AUK CORP.

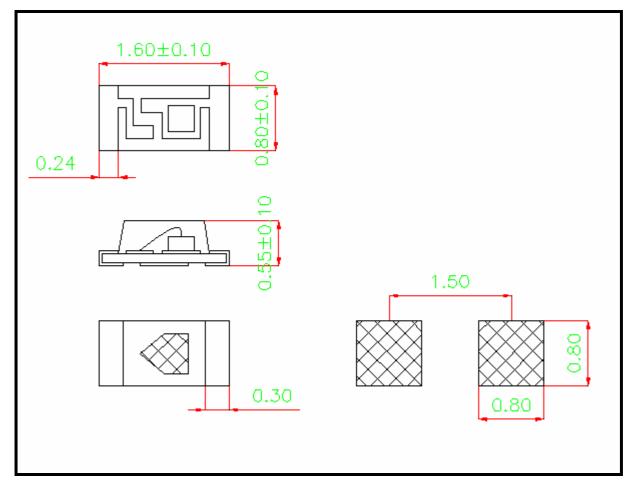
**KCL1608** 

(T<sub>A</sub>=25℃)

### **Ordering Information**

Part Number	Marking Code	Package	Packaging
KCL1608	-	СОВ	Reel

### **Package Outline Dimensions**



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

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