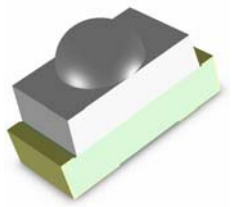
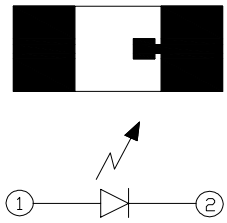
Infrared Emitting Diode

KEL-5315C

Description

The KEL-5315C is a ultra bright light & surface mount type infrared emitting diode. It's ideal for various kinds of optical emittersr such as touch panels for C/D, ATM, Car navigation system and even AV Instrument and various types of disk driver.





Pin Connection
1. Anode
2. Cathode

RoHS

Features

- Compact and thin package
- SMD type
- Reflow soldering
- RoHS & High reliability package

Applications

- Touch screen for ATM
- Touch screen for Car navigation system
- Touch screen for FA equipment
- AV instrument
- Various types of disk driver

Absolute Maximum Ratings

[T_A = 25℃]

Parameter	Symbol	Min.	Max.	Max.
Reverse Voltage	V_R	-	6	V
Forward Current	I_F	-	50	mA
Power Dissipation	P_D	-	75	mW
Pulse Forward Current*1	I_{FP}	-	0.5	A
Operating Temperature	Topr	-20	85	℃
Storage Temperature	Tstg	-30	85	℃
Soldering Temperature*2	Tsol	-	260	℃

*1 : Pulse Width : Tw ≤ 100㎲, Periode : T = 10㎳

*2 : MAX 10s

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.

KEL-5315C

Electrical Characteristics

[T_A = 25℃]

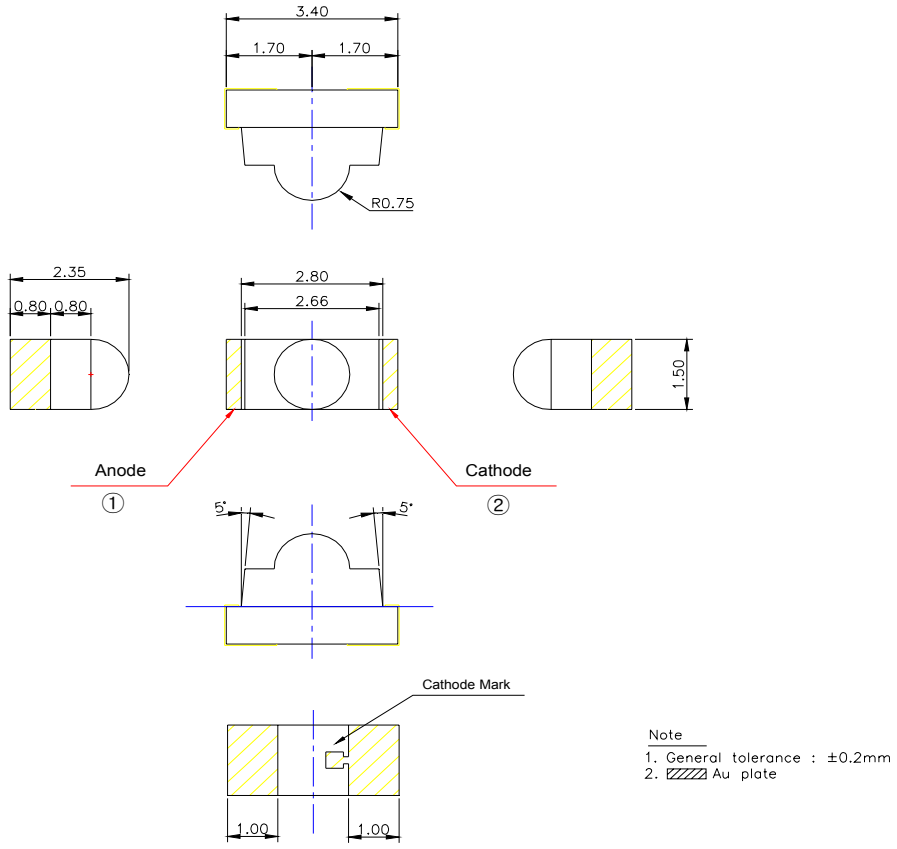
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F=20mA	-	1.2	1.4	V
Reverse Current	I_R	V_R=5V	-	-	10	㎂
Radiant Intensity	P_O	I_F=20mA	2.0	2.5	-	mW/sr
Peak Emission Wavelength	λ_P	I_F=20mA	-	940	-	nm
Spectral Bandwidth 50%	$\Delta\lambda$	I_F=20mA	-	45	-	nm
Half Angle	$\Delta\theta$	-	-	±15		deg

Ordering Information

Part Number	Packaging Type	Quantity
KEL-5315C	Tape and Reel	4,000

Package Outline Dimensions

(Unit : mm)



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