



**Ledtech Corporation (UK)**

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## SPECIFICATION

LK1EN3-DE-1UNL360SC5

3.0x2.0x0.8mm SMD Type SMD LED (Lead Frame Type) White



GLOBAL BRILLIANCE

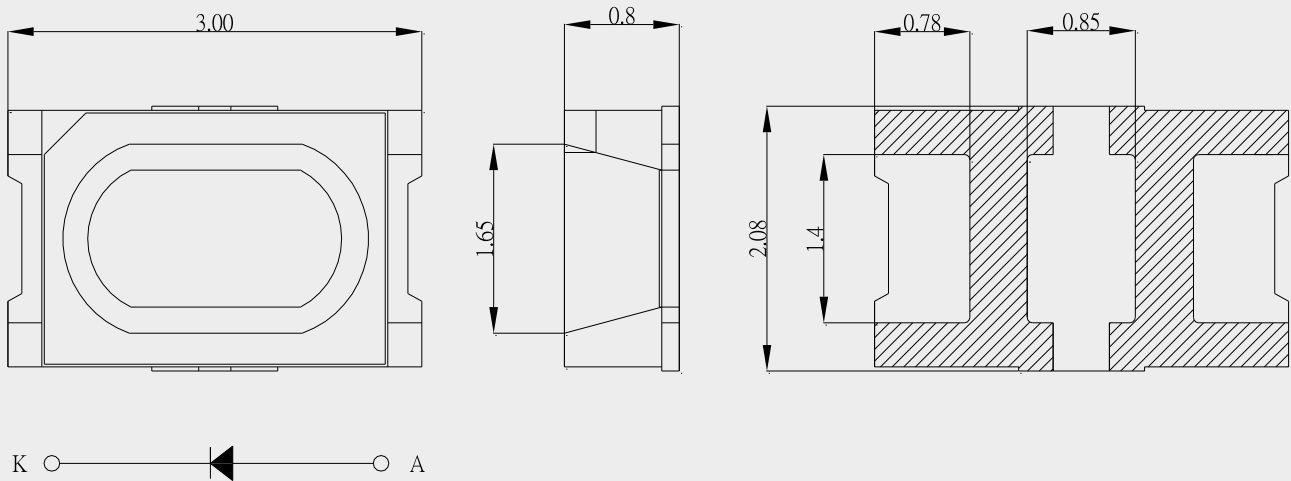
## Description

3.0x2.0x0.8mm SMD Type SMD LED  
(Lead Frame Type) White

## Part No

LK1EN3-DE-1UNL360SC5

## Dimensions



## Description

Part No.	LED Chip		LENS
	Material	Emitting Colour	Type
LK1EN3-DE-1UNL360SC5	InGaN/Sapphire	White	Yellow Diffused

## Notes

1. All dimensions are in mm.
2. Tolerance is  $\pm 0.25$ mm unless otherwise noted.



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## Part No

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## Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	108	mW
Reverse Voltage	Vr	5	V
D.C. Forward Current	If	30	mA
Peak Current (1/10 Duty Cycle, 0.1ms Pulse Width)	If (Peak)	50	mA
Operating Temperature Range	Topr.	-25 to +85	°C
Storage Temperature Range	Tstg.	-40 to +100	°C
Soldering Temperature (1.6mm from body)	Tsol.	Reflow Soldering: 260°C for 10 sec Hand Soldering : 350°C for 3 sec.	

## Typical Electrical and Optical Characteristics:

Parameter	Symbol	Condition	Value	Unit	
Luminous Intensity	Iv	If=20mA	2300	mcd	
Forward Voltage	Vf	If=20mA	3.2	V	
Chromaticity X Coordinate	X	If=20mA	0.3218	-	
Chromaticity Y Coordinate	Y		0.3353		
Reverse (Leakage) Current	Ir	Vr=5V	50	µA	
Viewing Angle	2θ½	If=20mA	120	deg	
Correlated Colour Temperature	CCT	If=20mA	Min	Max	K
			5500	6750	