

# Light-emitting diode

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## Specification For Approval

**Customer:**

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**Description:**

**LED-LAMP**

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**Part number:**

**RL30-PS744D**

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**Date:**

**2005/05/31**

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**Approved By:**

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**Prepared By:**

Approval	Check	Design	Sales
		Linda Zhan	

# Light-emitting diode

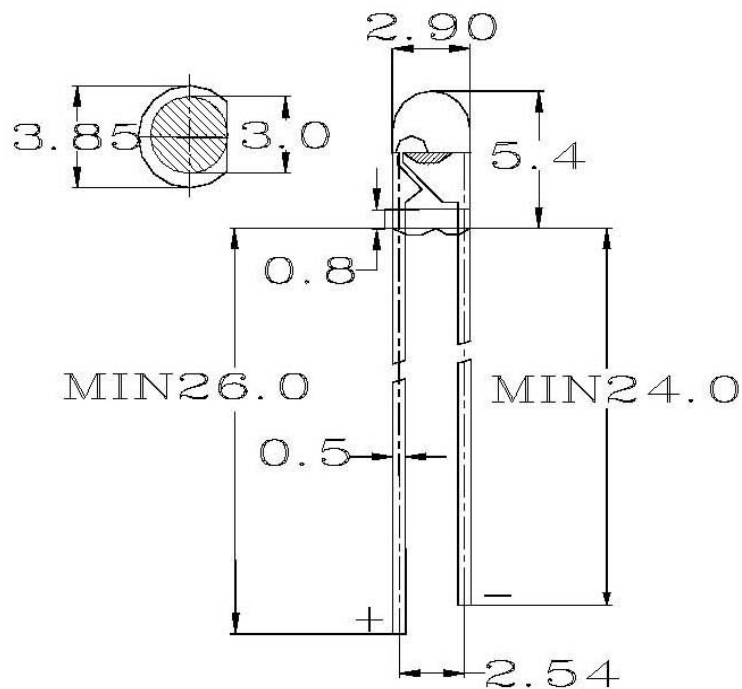
**PartNumber: RL30-PS744D**

## Features

- 1.Low power consumption .
- 2.High efficiency.
- 3.Versatile mounting on p.c board or panel.
- 4.I.C compatible/ low current requirement.

## Package Dimensions

Unit □ mm



Part Number	Lens color	Chip		
		Material	Emitted color	$\lambda_p$ (nm)
RL30-PS744D	Water Clear	InGaAlN	Pink	---

# Light-emitting diode

## TECHNICAL SPECIFICATION

Part Number:RL30-PS744D

Parameter	Symbol	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Forward Voltage	VF	3.0	3.4	3.8	V	If=20mA
Peak Wavelength	$\lambda_p$		---		nm	
Reverse Current	IR			40	$\mu$ A	VR=5V
Power dissipation	Pd		170		mW	
Luminous Intensity	IV	1000	1500		mcd	If=20mA
Peak Forward Current	If(Peak)			100	mA	
Recommend Forward Current	If(Rec)		20		mA	
Full Viewing Angle	2 $\theta$ 1/2		20		deg	If=20mA

**NOTE:**

1.Luminous intensity is measured with a light sensor and fillister combination that approximates the CIE eye-response curve Tester: EG&G DR-2550.

2.IV classification code is marked on each packing bag. The IV base on line-on's bin classification. The IV guarantee should be add $\pm 15\%$

3.Absolute maximum ratings: (Ta=25 $\square$ )

4.Operating temperature : -40 $\square$  TO 80 $\square$

5.Lead soldering: 260 $\square$  for 5 seconds