EXCEED Light-emitting diode

Specification For Approval

Customer: _____

Description: **LED-LAMP**

Part number: **RL316-UY544S**

Date: **2004/11/12**

Approved By:

Prepared By:

Approval	Check	Design	Sales
		Linda Zhan	

EXCEED PERSEVERANCE ELECTRONICS IND CO., LTD

www.exceedled.com

EXCEED **Light-emitting diode**

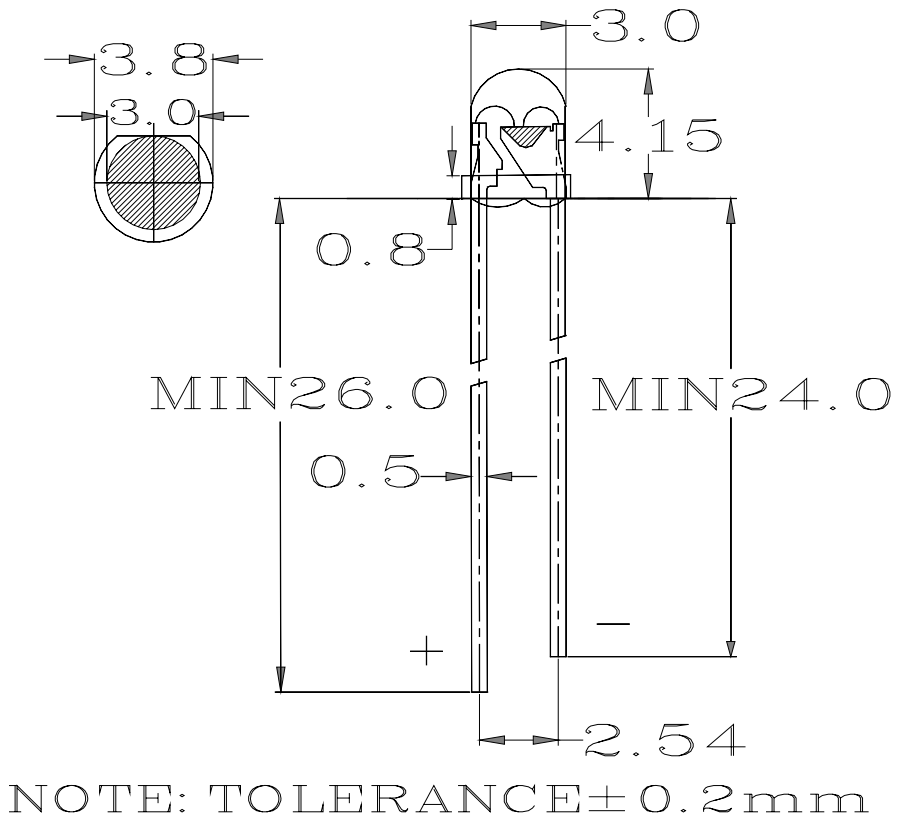
PartNumber: RL316-UY544S

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



★ Selection Guide

Part Number	Lens color	Chip		
		Material	Emitted color	λ p(nm)
RL316-UY544S	Water Clear	GaAsAl/GaAsAl	YELLOW	590

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TECHNICAL SPECIFICATION

Part Number: RL316-UY544S

Parameter	Symbol	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Forward Voltage	VF	1.7	2.1	2.4	V	If=20mA
Peak Wavelength	λ p	585	590	595	nm	
Reverse Current	IR			40	μ A	VR=5V
Power dissipation	Pd		85		mW	
Luminous Intensity	IV	500	800		mcd	If=20mA
Peak Forward Current	If(Peak)			160	mA	
Recommend Forward Current	If(Rec)		20		mA	
Full Viewing Angle	2 θ 1/2		45		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±15%

3.Absolute maximum ratings: (Ta=25℃)

4.Operating temperature : -40℃ TO 80℃

5.Lead soldering: 260℃ for 5 seconds