

# LT9562U

ø 10mm Cylinder Type LED Lamp

■ Model No.

LT9562U Red (Super-luminosity) GaAlAs/GaAlAs

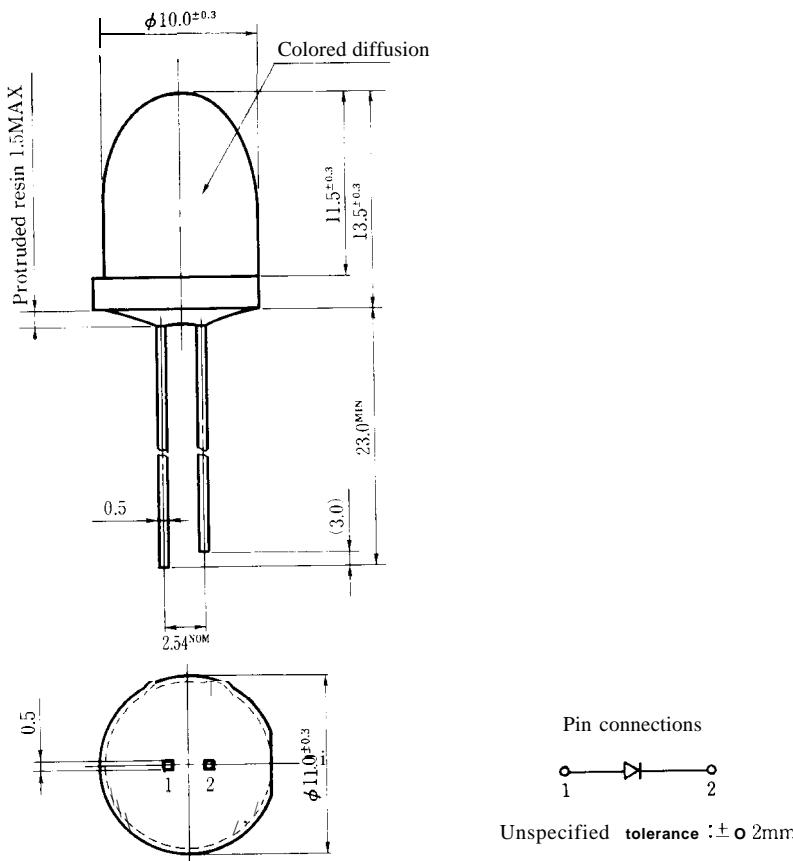
■ Features

1. ø 10mm all resin mold
2. Super-luminosity red LED lamp
3. Colored diffusion lens type

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■ Outline Dimensions

(Unit: mm)



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**LT9562U****■ Absolute Maximum Ratings**

(Ta = 25°C)

Parameter	Symbol	LT9562U						Unit	
Power dissipation	P	75						mW	
Continuous forward current	I <sub>F</sub>	30						mA	
*1 Peak forward current	I <sub>FM</sub>	50						mA	
Derating factor	DC	-	040					mA/°C	
	Pulse		0.67					mA/°C	
Reverse voltage	V <sub>R</sub>	4						V	
Operating temperature	T <sub>opr</sub>			-25	to	+85		°C	
Storage temperature	T <sub>stg</sub>			-25	to	+100		°C	
*2 Soldering temperature	T <sub>sol</sub>			260(within 5 seconds)				°C	

\*1 Duty ratio = 1/10 , Pulse width = 0.1ms

\*2 At the position of 1.6mm from the bottom face of resin package

## LT9562U (Red)

## ■ Electro-optical Characteristics

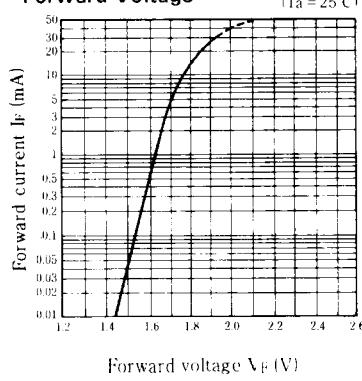
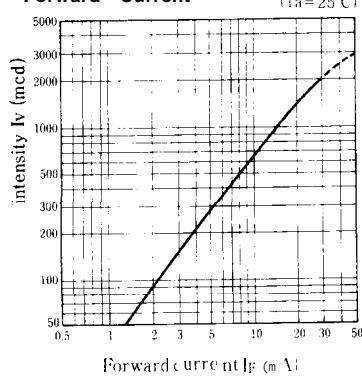
(Ta = 25°C)

Parameter	Symbol	Model No	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	V <sub>F</sub>	LT9562U	I <sub>F</sub> = 20mA	—	1.85	2.5	V
*3 Luminous intensity							
Peak emission wavelength	$\lambda_p$	LT9562U	I <sub>F</sub> = 20mA	700	1400	—	nm
Spectrum radiation bandwidth				660	—		
Reverse current	I <sub>R</sub>	LT9562U	V <sub>R</sub> = 3V	—	—	100	$\mu$ A
Terminal capacitance			V = 0V f = 1 MHz	—	25	—	
Response frequency	f <sub>C</sub>	LT9562U	—	—	8	—	MHz

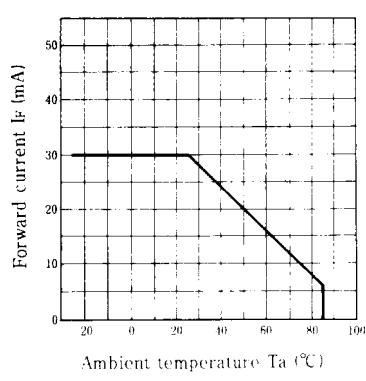
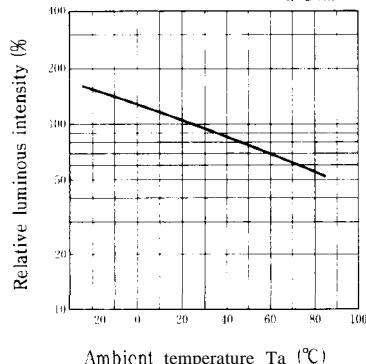
※3 Tolerance: ±30%

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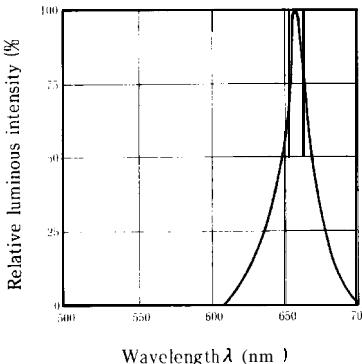
## ■ Characteristics Diagrams

Forward Current vs.  
Forward VoltageLuminous Intensity vs.  
Forward Current

Forward Current Derating Curve

Relative Luminous Intensity vs.  
Ambient Temperature (I<sub>F</sub> = 20mA)

Spectrum Distribution



Radiation Diagram

