

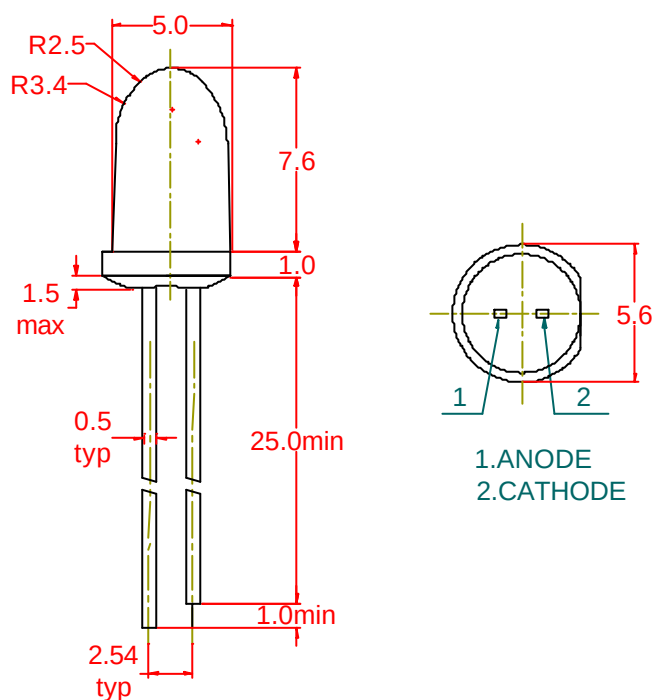
LED DATA SHEET

Part No.	LUG502A33		
Emitted Color	Ultra Super Green	Len's Color	Water Clear

Features:

5mm Round Condensing resin mold type
High intensity and reliable
Chip material : InGaN

Package Dimensions:



Note:

- 1、 All dimensions are in millimetres (mm)
- 2、 Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted

Part No.	LUG502A33	Edition Data:2002-12-10	Page: 1of 3
		http://www.wenrun.com	Fax:0511-5512860

◆ Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol	Max.	Unit
Power Dissipation	P_M	150	Mw
Pulse Forward Current (Duty 1/10 @ 1kHz)	I_{FP}	100	mA
Continuous Forward Current	I_F	40	mA
Reverse Voltage	V_R	6	V
Operating Temperature Range	T_{opr}	-25°C~85°C	°C
Storage Temperature Range	T_{stg}	-40°C~100°C	°C
Solder Temperature : 2.0mm From Body For 3 Seconds at 260°C			

◆ Electrical Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	--	7000	--	mcd	$I_F = 20mA$
Forward Voltage	V_F	--	3.5	4.0	V	$I_F = 20mA$
Reverse Current	I_R	--		50	uA	$V_R = 5V$
Dominant Wavelength	λ_d	--	525	--	nm	$I_F = 20mA$
Peak Emission Wavelength	λ_p	--	520	--	nm	$I_F = 20mA$
Spectral Line Half Width	$\Delta \lambda$	--	30	--	nm	$I_F = 20mA$
Viewing Angle	$2\theta_{1/2}$	--	10	--	Deg.	$I_F = 20mA$

Note:

- 1、The luminous intensity data and λ_p is survey values with the machine JF- II、JS-2000.
- 2、 $2\theta_{1/2}$ is the clip angle at which the luminous intensity is half the axial luminous intensity.
- 3、Pay attention to electrostatic (ESD)

Typical Characteristic Curves:

