

SHARPGL5UR64

1. Absolute maximum ratings

(Ta = 25°C)

Parameter	Symbol	Value	Unit
Power dissipation	P	75	● W
Continuous Forward current	I _F	30	● A
Peak forward current (Note 1)	I _{FM}	50	
Derating factor	—	(DC) 0.40 (Pulse) 0.67	● A/t
Reverse voltage	V _R	4	V
Operating temperature	T _{opr}	-25 ~ +85	°C
Storage temperature	T _{stg}	-25 ~ +100	
Soldering temperature (Note 2)	T _{sol}	260 (within 5 seconds)	

(Note 1) Duty ratio = 1/10, Pulse width = 0.1ms.

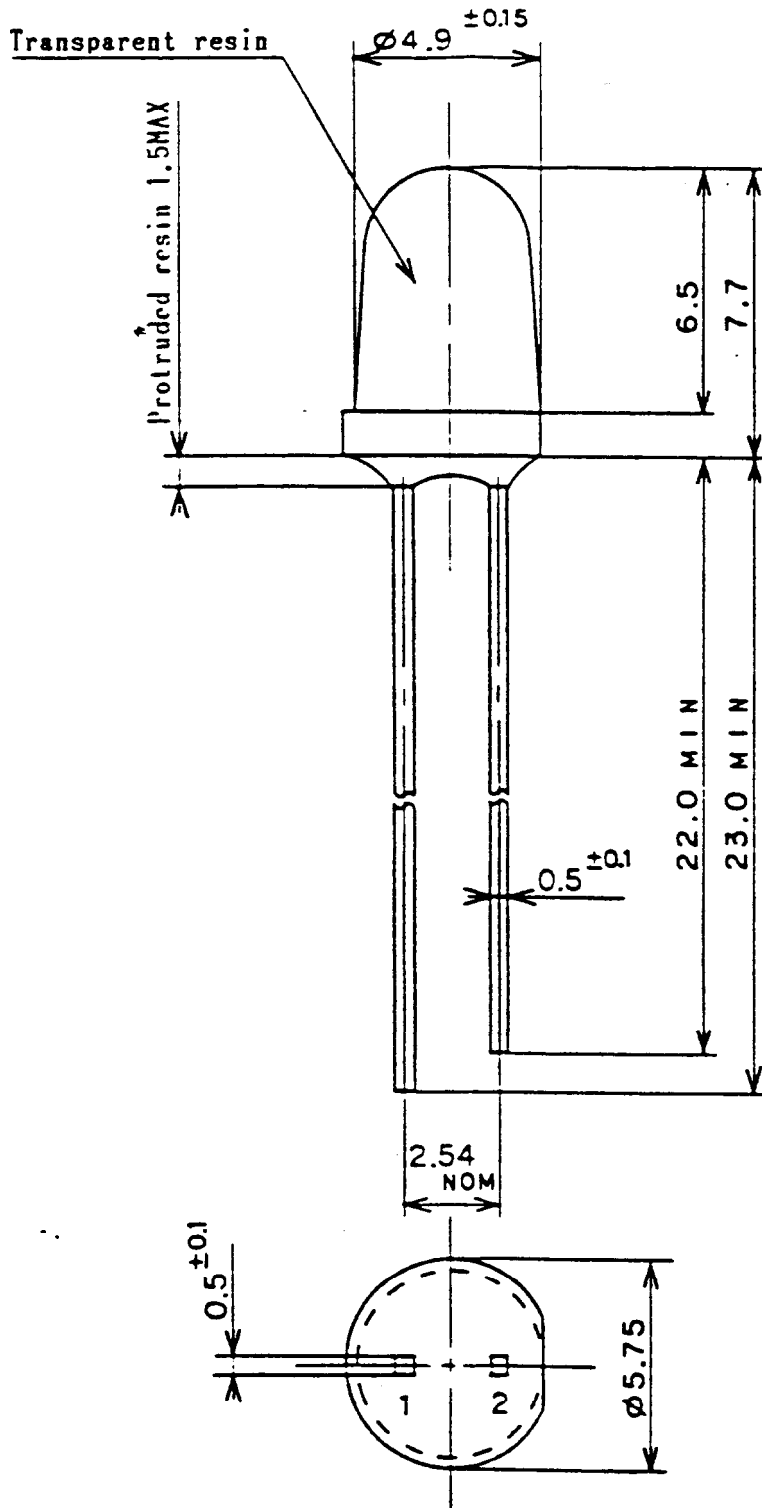
(Note 2) Distance from the bottom of resin: 1.6mm

2 Electro-optical characteristics

(Ta = 25°C)

Parameter	Symbol	Conditions	Min.	TYP.	Max.	Unit
Forward voltage	V _F	I _F = 20mA	—	1.85	2.50	V
Luminous intensity (Note 3)	I _V		250	500	—	● cd
Peak emission wavelength	λ _p		—	660	—	nm
Spectrum radiation bandwidth	Δλ		—	20	—	
Reverse current	I _R	V _R = 3V	—	—	10	μA
Terminal capacitance	C _t	V = 0V, f = 1MHz	—	25	—	pF

(Note 3) See the standard table luminous intensity (※)



Pin connections

- 1 Anode
- 2 Cathode

(Note) Cold rolled steel leads are plated with tin

but the tie ber cut portions have no plating.

指示無き寸法公差は ±0.2
Unspecified tol. to be ±0.2

図-1
Drawing

適用機種 APPLICABLE MODEL		尺度 SCALE		単位 UNIT		改訂日 DATE		改訂記事 REVISE		担当者 CHARGE	
GL5UR64		5/1		1=1/1							
板厚 THICKNESS	員数 PIECES	材質 MATERIAL	仕上 FINISH			名称 NAME		Outline Dimensions and Pin Connections			
日付 DATE	Nov. 6, 1987	第一精工株式会社 電子部品事業本部				コード					
設計 DESIGN	製図 DRAW	写図 TRACE	検図 CHECK	承認 APPROVE	発光素子事業部 第一技術部		CODE				
				COMPOUND SEMICONDUCTOR DIV.		図番 DRAWING No.		5.6.2.1.1.0.0.2			
				SHARP CORPORATION							