GL6UR3T

ϕ 5mm (T-1 ¾) Cylinder Type LED Lamp

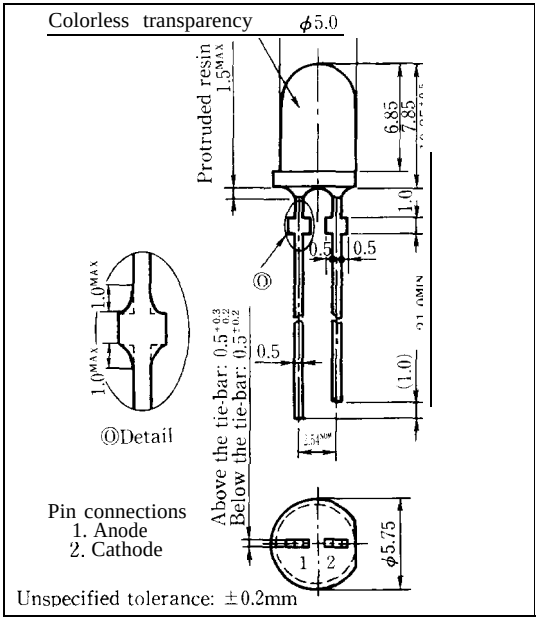
■ Model No.

GL6UR3T Red (Super-1 uminosity} GaAlAs/GaAlAs

■ Features

1. ϕ 5mm (T-1 ¾) all resin mold
2. Colorless transparency lens type
3. Wide viewing angle
4. High density mounting (flangeless package)

■ Outline Dimensions (Unit: mm)



■ Absolute Maximum Ratings (Ta =25°C)

Patameter		Symbol	GL6UR3T					Unit
Power dissipation		P	75					mW
Continuous forward current		I_F	30					mA
※1 Peak forward current		I_{FM}	50					mA
Derating factor	DC	−	0.40					mA/℃
	Pulse	−	0.67					mA/℃
Reverse voltage		V_R	4					v
Operating temperature		T_{opr}	−2,5 to +85					°c
Storage temperature		T_{stg}	−25 to +100					°c
※2 Soldering temperature		T_{sol}	260(within 5 seconds)					°c

※1 Duty ratio =1/10, Pulse width =0.1ms

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

GL6UR3T (Red)

■ Electro-optical Characteristics

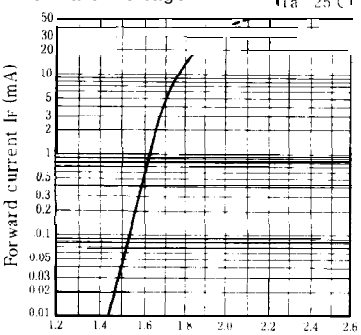
(Ta = 25℃)

Parameter	Symbol	Model No.	Conditions	MIN	TYP.	MAX	Unit
Forward voltage	V_F	GL6UR3T	I_F = 20mA		1.85	2.5	V
※3 Luminous intensity	I_V	GL6UR3T	I_F = 20mA	400	**600**	–	mcd
Peak emission wavelength	λ_p	GL6UR3T	I_F = 20mA	–	660	–	nm
Spectrum radiation bandwidth	$\Delta\lambda$	GL6UR3T	I_F = 20mA		**20**	–	nm
Reverse current	I_R	GL6UR3T	V_R = 3V	–	–	100	μA
Terminal capacitance	C_t	GL6UR3T	V = 0V f = 1 MHz	–	25	–	pF
Response frequency	f_c	GL6UR3T	–	–	8	–	MHz

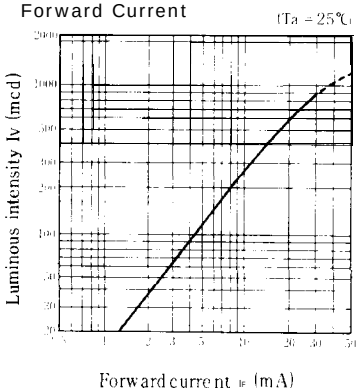
※3 Tolerance: ±30%

■ Characteristics Diagrams

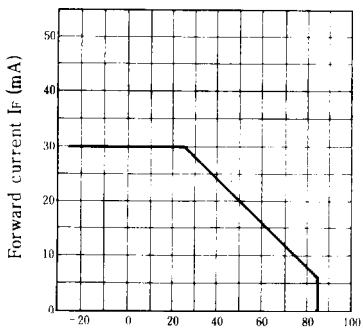
Forward Current vs. Forward Voltage



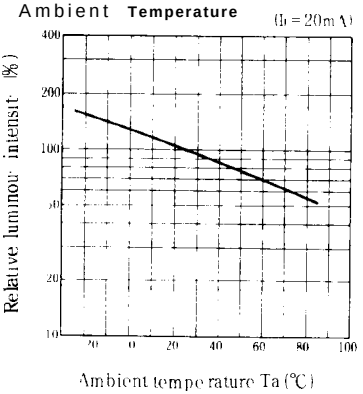
Luminous Intensity vs. Forward Current



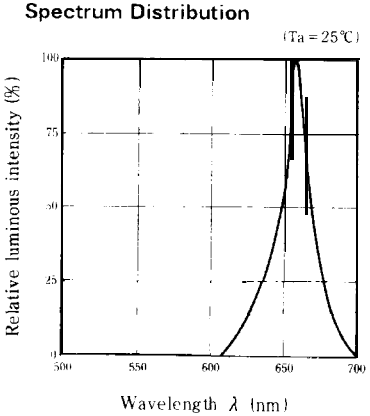
Forward Current Derating Curve



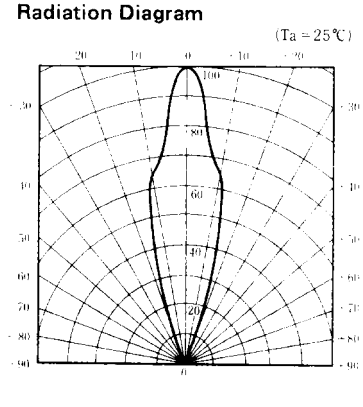
Relative Luminous Intensity vs. Ambient Temperature



Spectrum Distribution



Radiation Diagram



GL6UR3T (Red)

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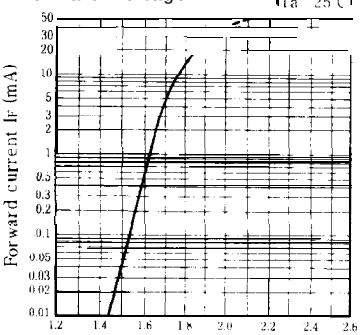
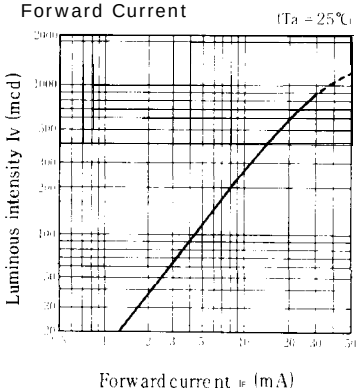
Forward Current vs. Forward Voltage



Luminous Intensity vs. Forward Current



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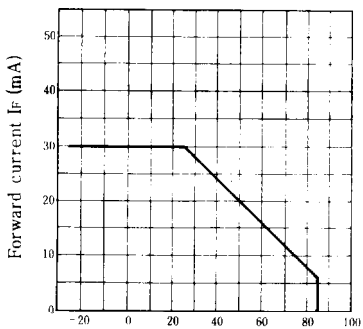

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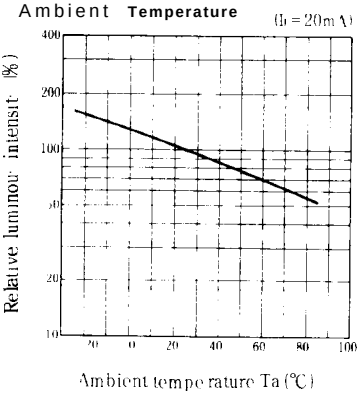

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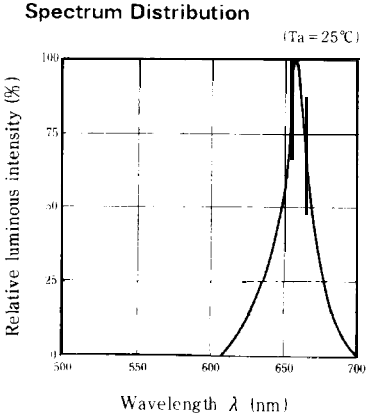

Radiation Diagram