

GL3UR21 T (Red)

(Ta=25°C)

■ Electro-optical Characteristics

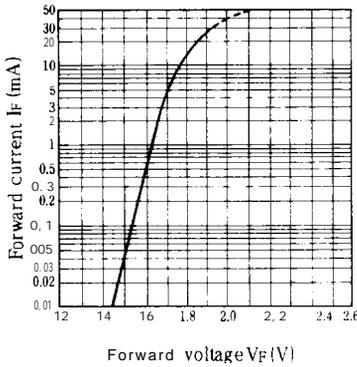
Parameter	Symbol	Model No.	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	V_F	GL3UR21 T	$I_F = 20\text{mA}$		1.85	2.5	V
※3 Luminous intensity	I_V	GL3UR21 T	$I_F = 20\text{mA}$	100	200	—	mcd
Peak emission wavelength	λ_p	GL3UR21T	$I_F = 20\text{mA}$		660	—	nm
Spectrum radiation bandwidth	$\Delta \lambda$	GL3UR21T	$I_F = 20\text{mA}$		20	—	nm
Reverse current	I_R	GL3UR21T	$V_R = 3\text{V}$			100	μA
Terminal capacitance	C_t	GL3UR21 T	$V = 0\text{V} f = 1\text{MHz}$	—	25	—	pF
Response frequency	f_c	GL3UR21 T	—	—	8	—	MHz

※3 Tolerance: $\pm 30\%$

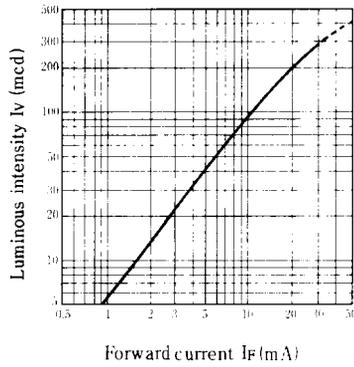
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■ Characteristics Diagrams

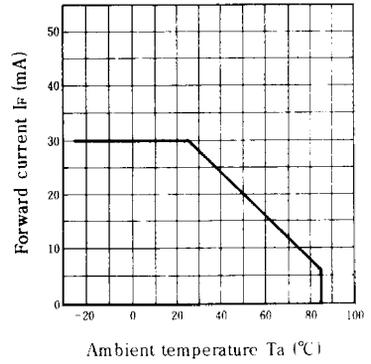
Forward Current vs. Forward Voltage (Ta=25°C)



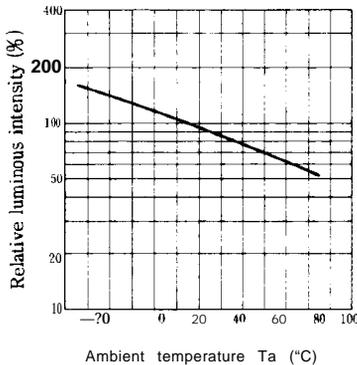
Luminous Intensity vs. Forward Current (Ta=25°C)



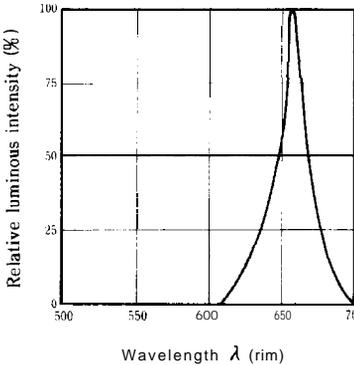
Forward Current Derating Curve



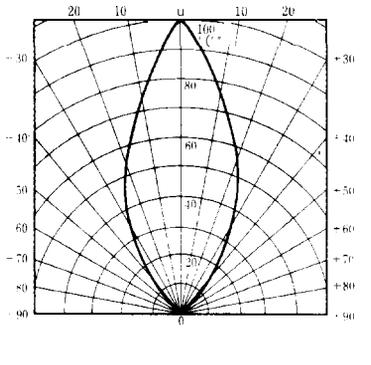
Relative Luminous Intensity vs. Ambient Temperature (If=20mA)



Spectrum Distribution (Ta=25°C)



Radiation Diagram (Ta=25°C)



GL3EG21 T (Yellow-green)

■ **Electro-optical** Characteristics

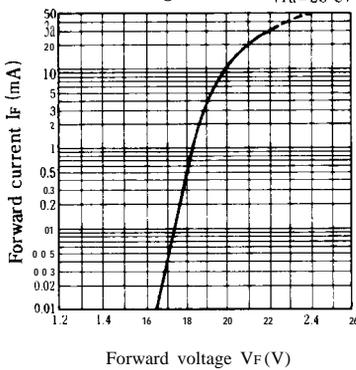
(Ta=25°C)

Parameter	Symbol	Model No.	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	V _F	GL3EG21T	I _F =20mA	—	2.1	2.8	V
※3 Luminous intensity	I _V	GL3EG21T	I _F =20mA	30	80	—	mcd
Peak emission wavelength	λ _p	GL3EG21T	I _F =20mA	—	565	—	nm
Spectrum radiation bandwidth	Δλ	GL3EG21T	I _F =20mA	—	30	—	nm
Reverse current	I _R	GL3EG21T	V _R =4V	—	—	10	μA
Terminal capacitance	C _t	GL3EG21T	V=0V f=1MHz	—	35	—	pF
Response frequency	f _c	GL3EG21T	—	—	4	—	MHz

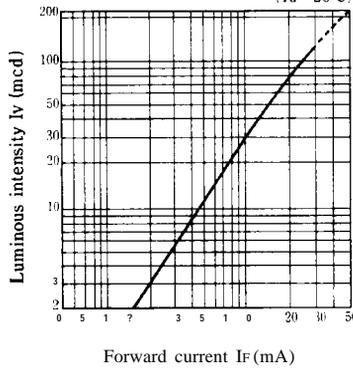
※3 Tolerance: ±30%

■ **Characteristics Diagrams**

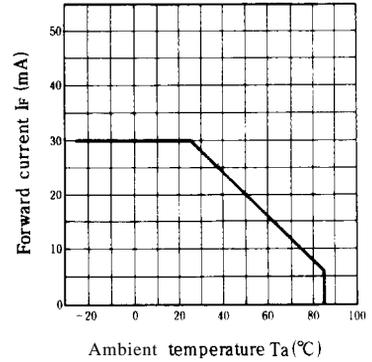
Forward Current vs. Forward Voltage



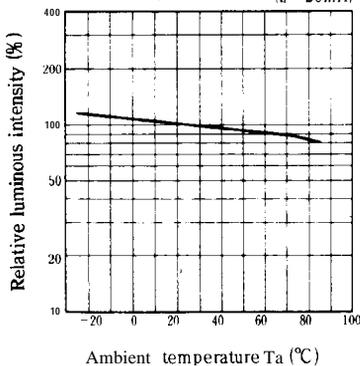
Luminous Intensity vs. Forward Current



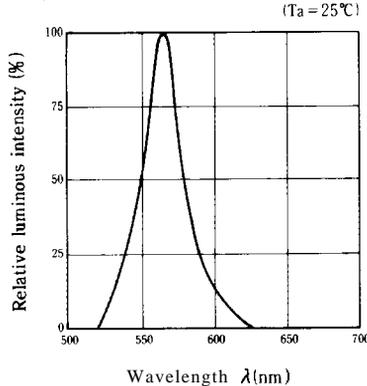
Forward Current **Derating** Curve



Relative Luminous Intensity vs. Ambient Temperature



Spectrum Distribution



Radiation Diagram

