

■ Electro-optical Characteristics

(Ta=25°C)

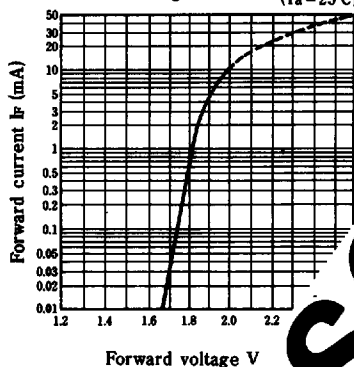
Parameter	Symbol	Model No.	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	V_F	GL9PR25	$I_F=5\text{mA}$	—	1.9	2.3	V
*3 Luminous intensity	I_V	GL9PR25	$I_F=5\text{mA}$	0.10	0.25	—	mcd
Peak emission wavelength	λ_p	GL9PR25	$I_F=5\text{mA}$	—	695	—	nm
Spectrum radiation bandwidth	$\Delta\lambda$	GL9PR25	$I_F=5\text{mA}$	—	100	—	nm
Reverse current	I_R	GL9PR25	$V_R=4\text{V}$	—	—	10	μA
Terminal capacitance	C_t	GL9PR25	$V=0\text{V}$	—	55	—	pF
Response frequency	f_c	GL9PR25	—	—	4	—	MHz

*3 Tolerance: $\pm 30\%$

■ Characteristics Diagrams

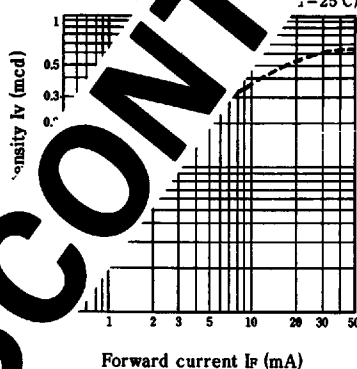
Forward Current vs. Forward Voltage

(Ta = 25°C)

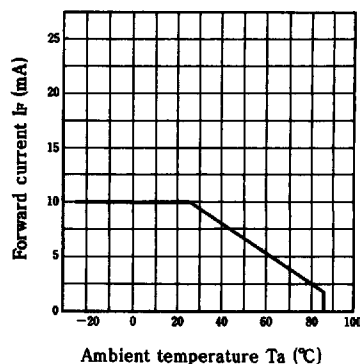


Luminous Intensity vs. Forward Current

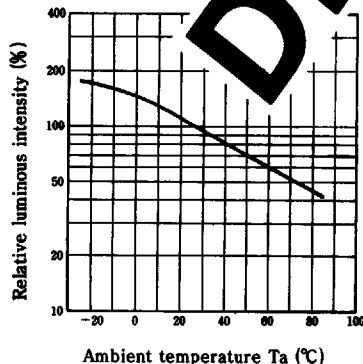
(Ta = 25°C)



Forward Current Derating Curve

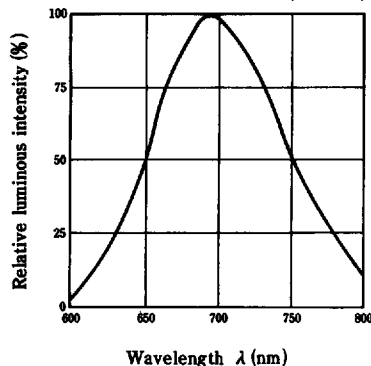


Relative Luminous Intensity vs. Ambient Temperature



Spectrum Distribution

(Ta = 25°C)



■ Electro-optical Characteristics

(Ta = 25°C)

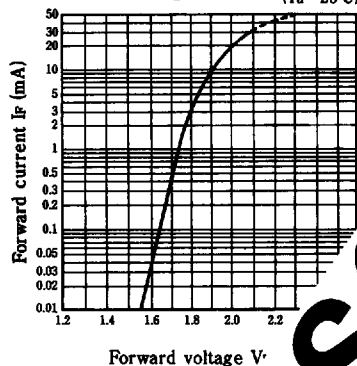
Parameter	Symbol	Model No.	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	V _F	GL9HY25	I _F = 20mA	—	2.0	2.8	V
※3 Luminous intensity	I _v	GL9HY25	I _F = 20mA	0.15	0.50	—	mcd
Peak emission wavelength	λ _p	GL9HY25	I _F = 20mA	—	585	—	nm
Spectrum radiation bandwidth	Δλ	GL9HY25	I _F = 20mA	—	30	—	nm
Reverse current	I _R	GL9HY25	V _R = 4V	—	—	10	μA
Terminal capacitance	C _t	GL9HY25	V = 0V	—	35	—	pF
Response frequency	f _c	GL9HY25	—	—	4	—	MHz

※3 Tolerance: ±30%

■ Characteristics Diagrams

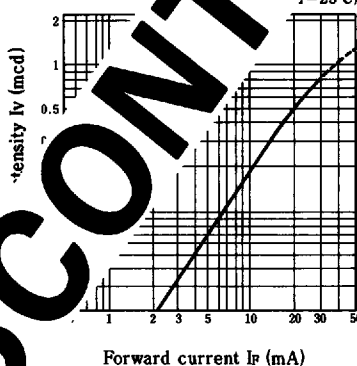
Forward Current vs. Forward Voltage

(Ta = 25°C)

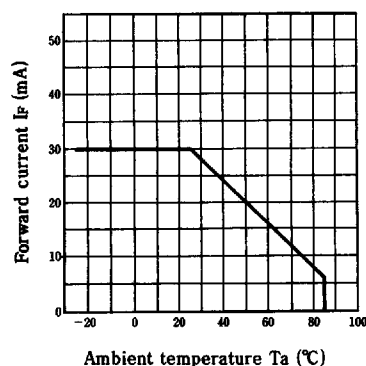


Luminous Intensity vs. Forward Current

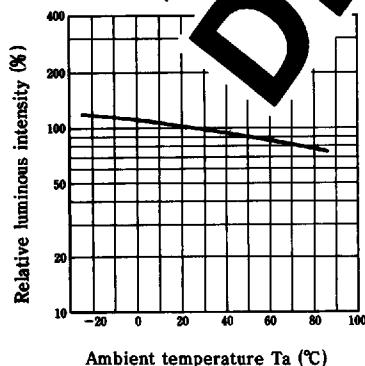
(Ta = 25°C)



Forward Current Derating Curve

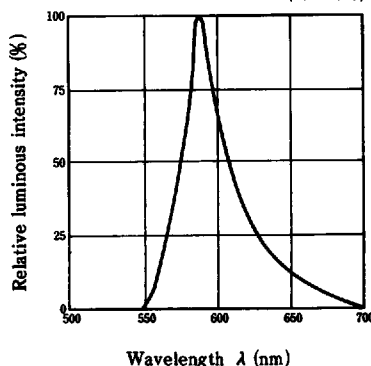


Relative Luminous Intensity vs. Ambient Temperature



Spectrum Distribution

(Ta = 25°C)



Wavelength λ (nm)

8180798 0007058 578 SRPJ

GL9EG25 (Yellow-green)

T-41-23

Electro-optical Characteristics

(Ta=25°C)

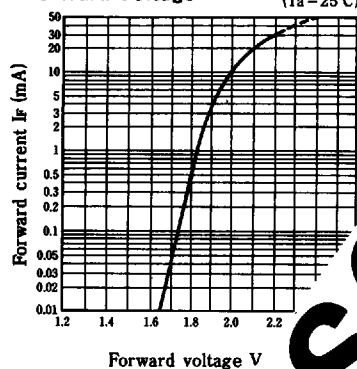
Parameter	Symbol	Model No.	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	V _F	GL9EG25	I _F =20mA	—	2.1	2.8	V
*3 Luminous intensity	I _v	GL9EG25	I _F =20mA	1.5	3.5	—	mcd
Peak emission wavelength	λ _p	GL9EG25	I _F =20mA	—	565	—	nm
Spectrum radiation bandwidth	Δλ	GL9EG25	I _F =20mA	—	30	—	nm
Reverse current	I _R	GL9EG25	V _R =4V	—	—	10	μA
Terminal capacitance	C _t	GL9EG25	V=0V	—	35	—	pF
Response frequency	f _c	GL9EG25	—	—	4	—	MHz

*3 Tolerance: ±30%

Characteristics Diagrams

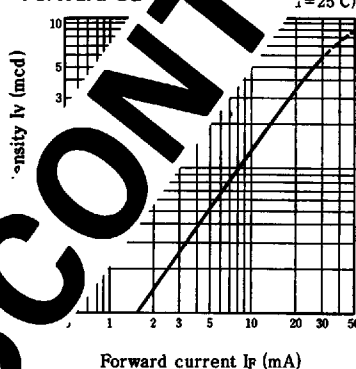
Forward Current vs. Forward Voltage

(Ta=25°C)

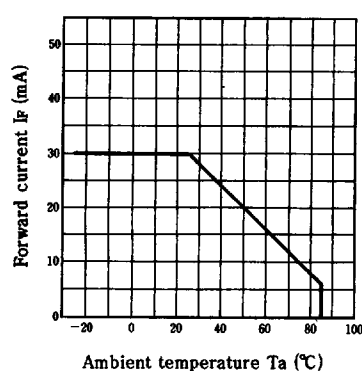


Luminous Intensity vs. Forward Current

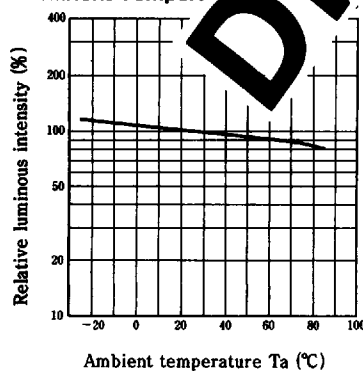
(Ta=25°C)



Forward Current Derating Curve

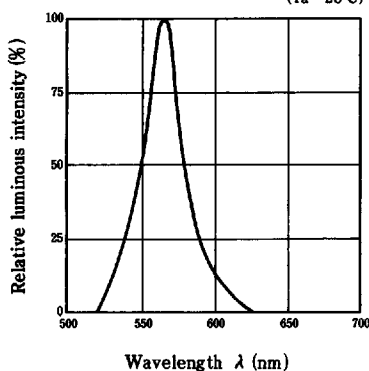


Relative Luminous Intensity vs. Ambient Temperature



Spectrum Distribution

(Ta=25°C)



Packing Specifications for LED Chips

T-90-20

1. Chip Packing

The chips are pasted up on the center of an adhesive sheet, then covered with a protective sheet.

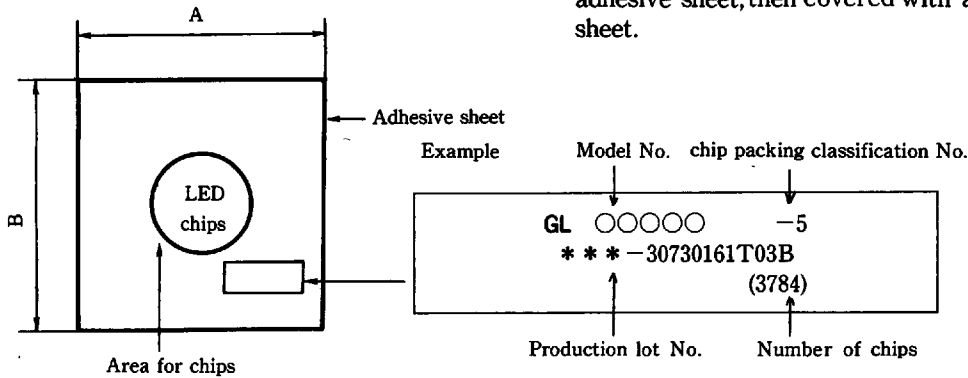


Fig. 1

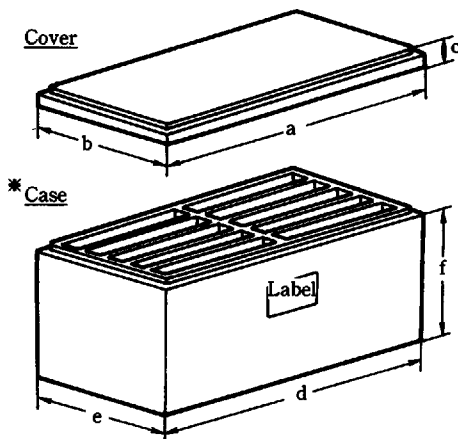
2. Sheet Packing

PART No.	
QUANTITY	00 pcs. (UNITS)
ID No.	
SHARP CORPORATION	

Put the chip-pasted sheet into a dedicated styrol case, then paste up a label shown in Fig. 2 on its side.

Fig. 2

3. Styrol Case



*Divided into 10 divisions

Fig. 3

LED Chips

SHARP CORP

Packing Specifications

51E D ■ 8180798 0007557 146 ■ SRPJ

(Unit : mm)

T-90-20

Adhesive sheet size A × B	Cover			Case			1 division		
	a	b	c	d	e	f	Length	Width	Depth
110×110	265	170	22.5	265	170	125	115	22.5	115
150×150	350	170	22.5	350	170	165	155	22.5	155
180×180	465	200	22.5	465	200	220	205	25	205
200×200	465	200	22.5	465	200	220	205	25	205

As to details such as materials, colors and paste intensity of chip-pasted sheets, etc., please contact our sales department.