

●Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Conditions	Red			Green			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Forward voltage	V_F	$I_F=20\text{mA}$	—	1.75	2.5	—	2.3	3.0	V
Reverse current	I_R	$V_R=4\text{V}$	—	—	100	—	—	10	μA
Peak wavelength	λ_P	$I_F=20\text{mA}$	—	660	—	—	563	—	nm
Spectral line half width	$\Delta\lambda$	$I_F=20\text{mA}$	—	25	—	—	40	—	nm
Viewing angle	SLA-560	$2\theta_{1/2}$	—	40	—	—	40	—	deg
	SLA-570			25			25		
	SLA-580			10			10		

●Luminous intensity vs. wavelength

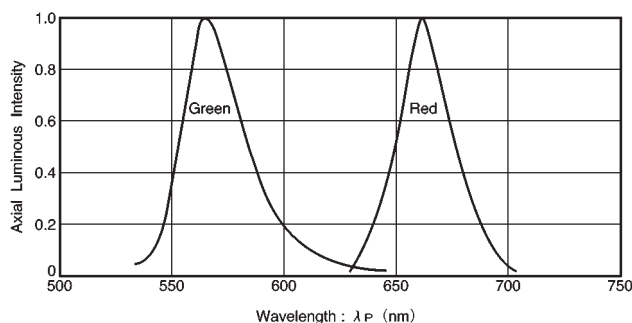


Fig.1

●Luminous intensity

Color	λ_P	Type	Min.	Typ.	Max.	Unit
Red	660	SLA-560JT	200	470	—	mcd
		SLA-560LT	42	100	—	mcd
		SLA-570JT	420	1000	—	mcd
		SLA-570LT	90	220	—	mcd
		SLA-580JT	420	1500	—	mcd
		SLA-580LT	200	600	—	mcd
Green	563	SLA-560MT	42	100	—	mcd
		SLA-570MT	135	400	—	mcd
		SLA-580MT	200	600	—	mcd

Note: Measured at $I_F = 10\text{ mA}$

●Directional pattern

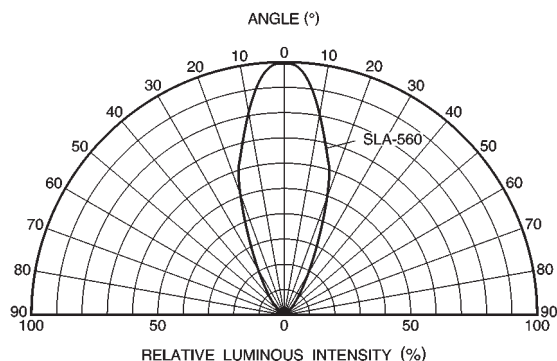


Fig. 2 SLA-560 Directional pattern

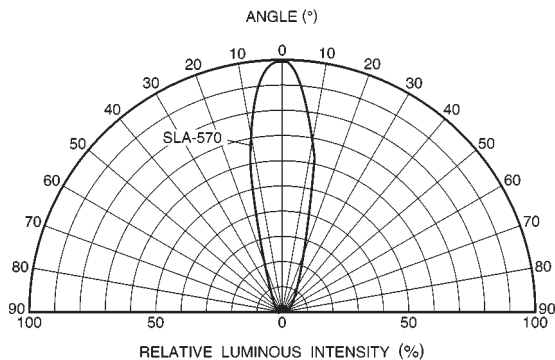


Fig. 3 SLA-570 Directional pattern

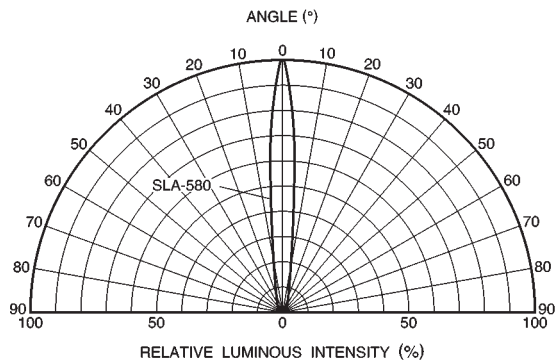


Fig. 4 SLA-580 Directional pattern

●Electrical characteristic curves 1 (red)

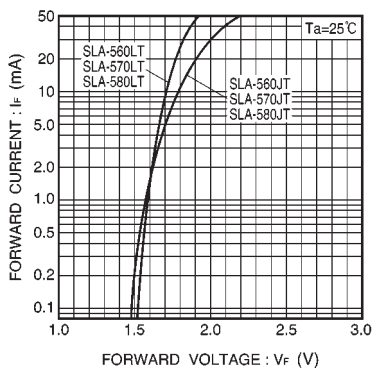


Fig. 5 Forward current vs. forward voltage

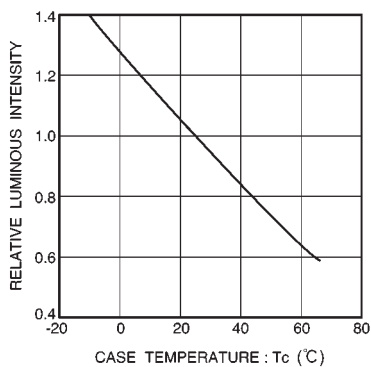


Fig. 6 Luminous intensity vs. case temperature

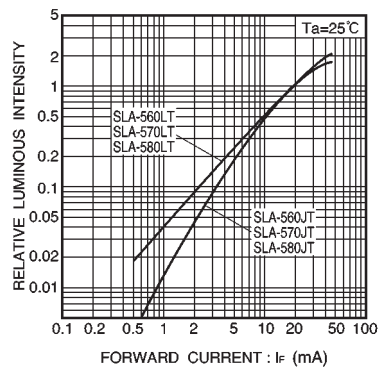


Fig. 7 Luminous intensity vs. forward current

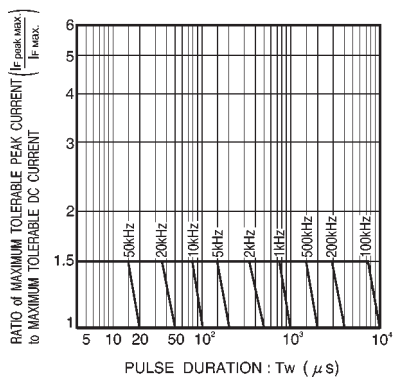


Fig. 8 Maximum tolerable peak current vs. pulse duration

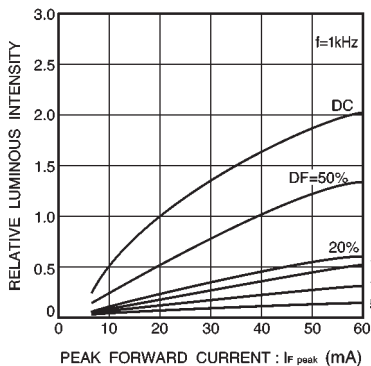


Fig. 9 Luminous intensity vs. peak forward current

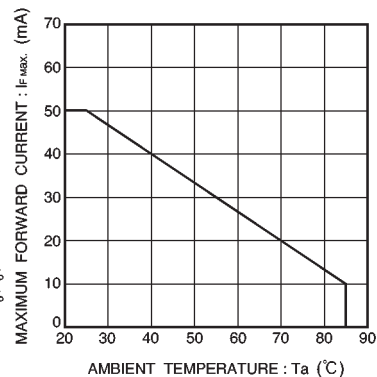


Fig. 10 Maximum forward current vs. ambient temperature

●Electrical characteristic curves 2 (green)

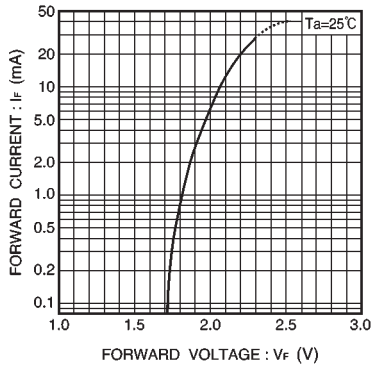


Fig. 11 Forward current vs. forward voltage

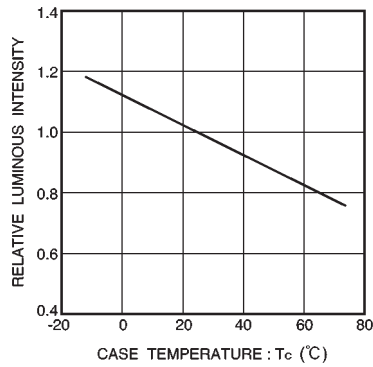


Fig. 12 Luminous intensity vs. case temperature

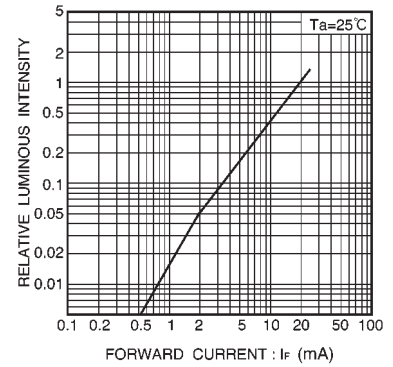


Fig. 13 Luminous intensity vs. forward current

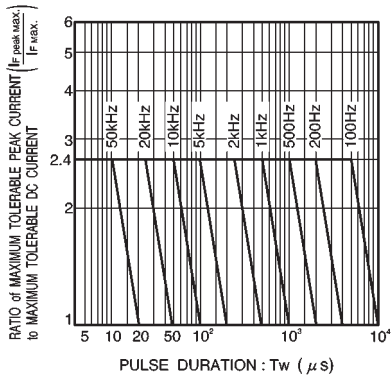


Fig. 14 Maximum tolerable peak current vs. pulse duration

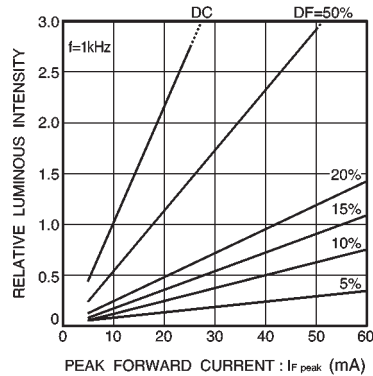


Fig. 15 Luminous intensity vs. peak forward current

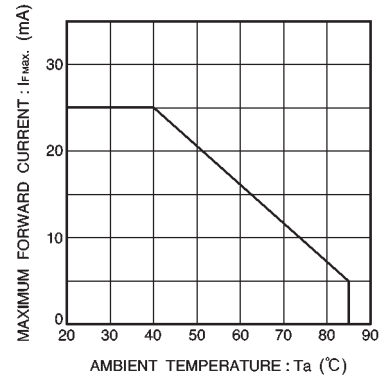


Fig. 16 Maximum forward current vs. ambient temperature