

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

Parameter	Symbol	Conditions	Red			Orange			Yellow			Green			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	
Forward voltage	V_F	$I_F=10\text{mA}$	—	2.0	3.0	—	2.0	3.0	—	2.1	3.0	—	2.1	3.0	V
Reverse current	I_R	$V_R=3\text{V}$	—	—	10	—	—	10	—	—	10	—	—	10	μA
Peak wavelength	λ_P	$I_F=10\text{mA}$	—	650	—	—	610	—	—	585	—	—	563	—	nm
Spectral line half width	$\Delta\lambda$	$I_F=10\text{mA}$	—	40	—	—	40	—	—	40	—	—	40	—	nm
Viewing angle	$2\theta_{1/2}$	Transparent	—	35	—	—	35	—	—	35	—	—	35	—	deg
		Diffused	—	55	—	—	55	—	—	55	—	—	55	—	

●Luminous intensity vs. wavelength

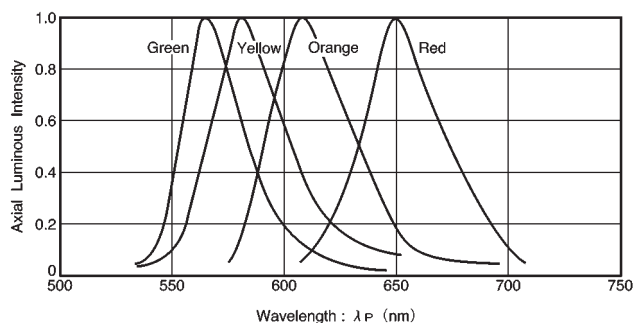


Fig. 1

●Luminous intensity

Color	λ_P	Type	Min.	Typ.	Max.	Unit
Red	650	SLR-322VR	3.6	10	—	mcd
		SLR-322VC	5.6	16	—	mcd
Orange	610	SLR-322DU	2.2	6.3	—	mcd
		SLR-322DC	5.6	16	—	mcd
Yellow	585	SLR-322YY	3.6	10	—	mcd
		SLR-322YC	3.6	10	—	mcd
Green	563	SLR-322MG	3.6	10	—	mcd
		SLR-322MC	9.0	25	—	mcd

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

●Directional pattern

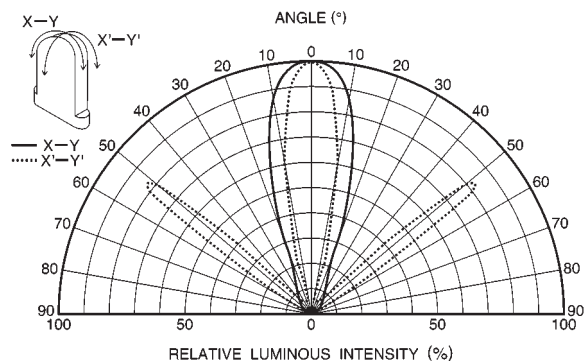


Fig. 2 Transparent type

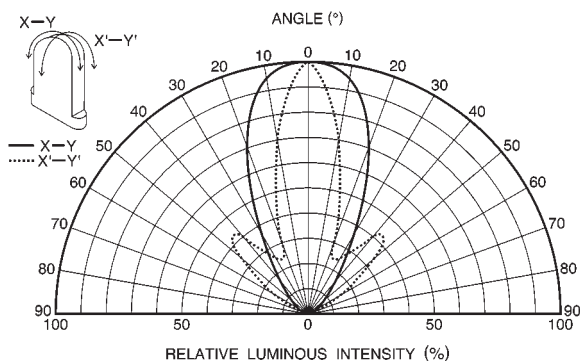


Fig. 3 Diffuse type

●Electrical characteristic curves 1 (red)

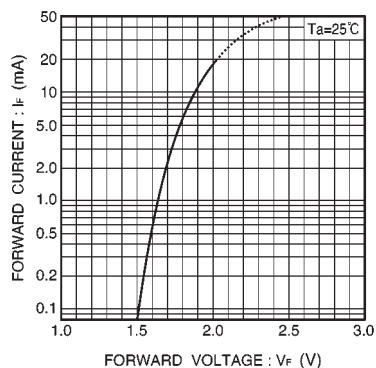


Fig. 4 Forward current vs. forward voltage

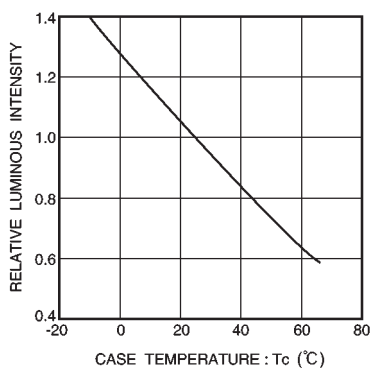


Fig. 5 Luminous intensity vs. case temperature

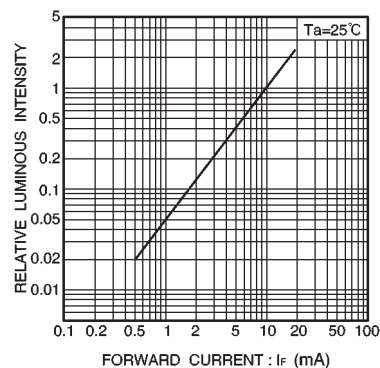


Fig. 6 Luminous intensity vs. forward current

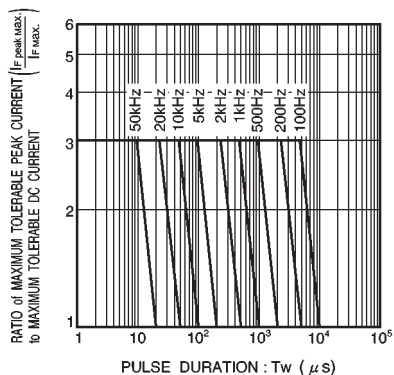


Fig. 7 Maximum tolerable peak current vs. pulse duration

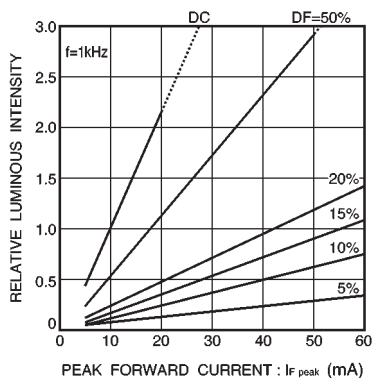


Fig. 8 Luminous intensity vs. peak forward current

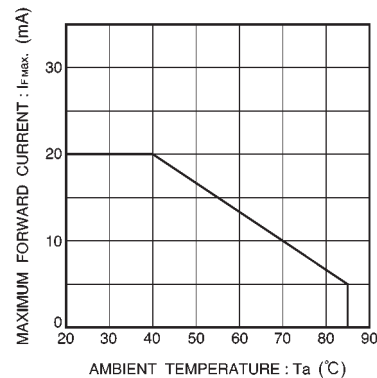


Fig. 9 Maximum forward current vs. ambient temperature

●Electrical characteristic curves 2 (orange)

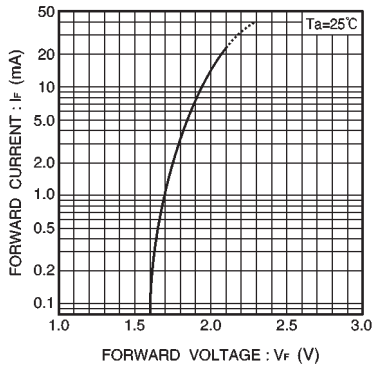


Fig. 10 Forward current vs. forward voltage

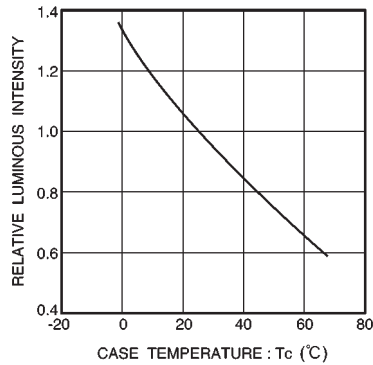


Fig. 11 Luminous intensity vs. case temperature

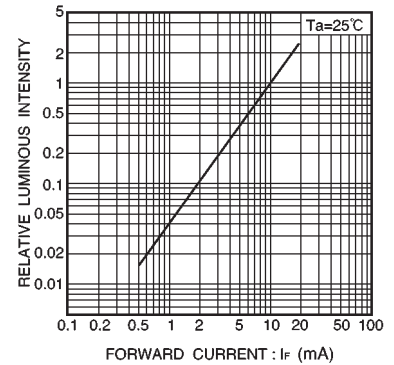


Fig. 12 Luminous intensity vs. forward current

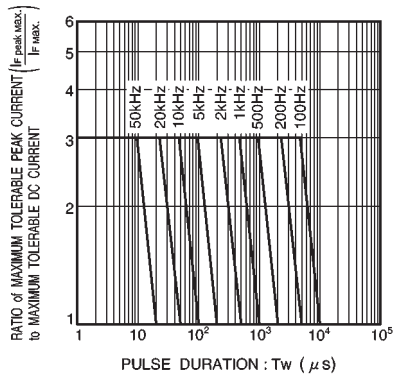


Fig. 13 Maximum tolerable peak current vs. pulse duration

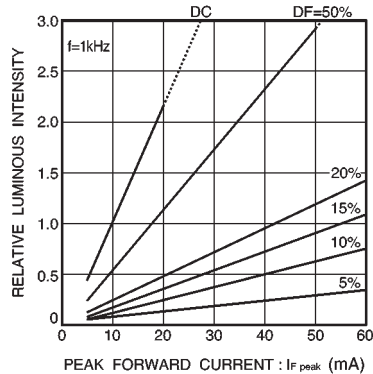


Fig. 14 Luminous intensity vs. peak forward current

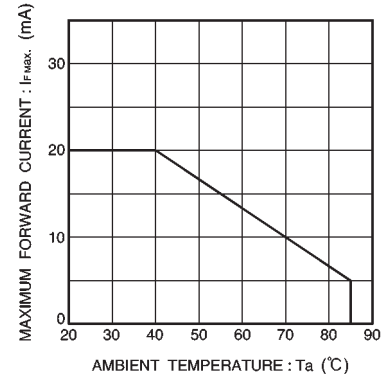


Fig. 15 Maximum forward current vs. ambient temperature

●Electrical characteristic curves 3 (yellow)

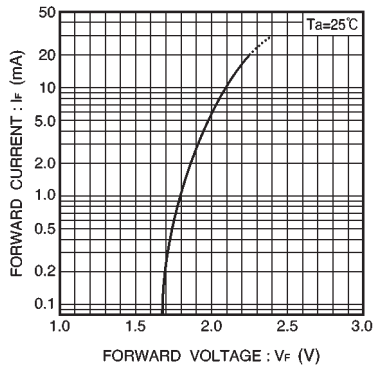


Fig. 16 Forward current vs. forward voltage

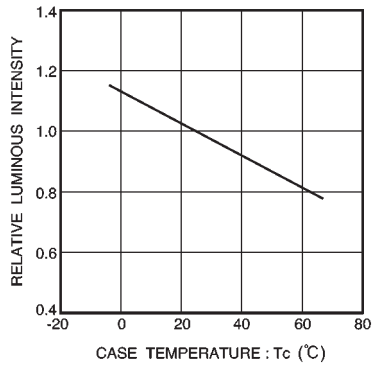


Fig. 17 Luminous intensity vs. case temperature

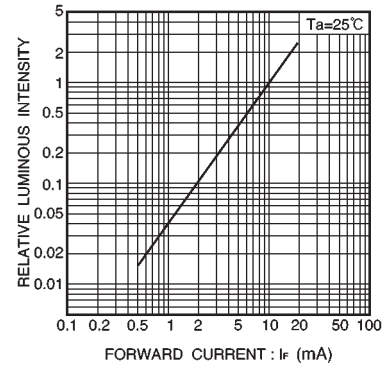


Fig. 18 Luminous intensity vs. forward current

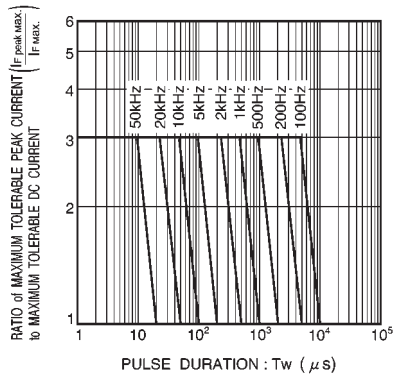


Fig. 19 Maximum tolerable peak current vs. pulse duration

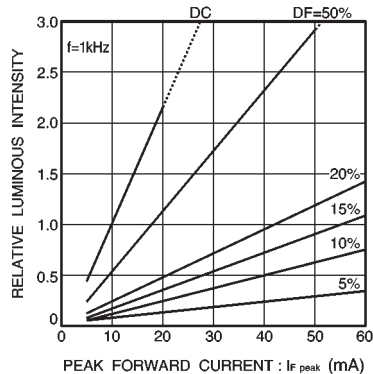


Fig. 20 Luminous intensity vs. peak forward current

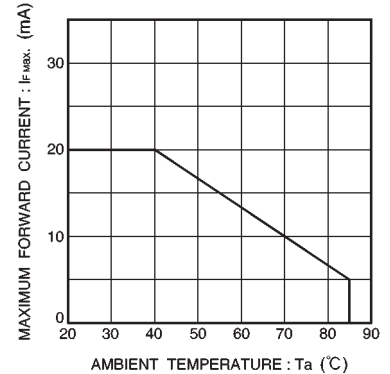


Fig. 21 Maximum forward current vs. ambient temperature

●Electrical characteristic curves 4 (green)

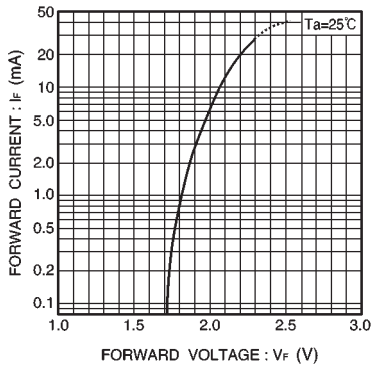


Fig. 22 Forward current vs. forward voltage

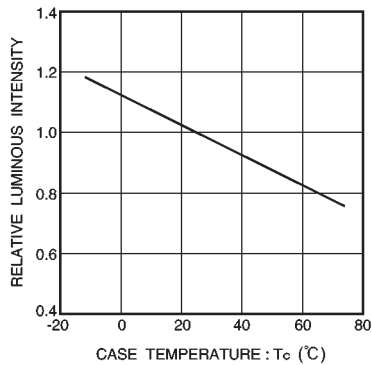


Fig. 23 Luminous intensity vs. case temperature

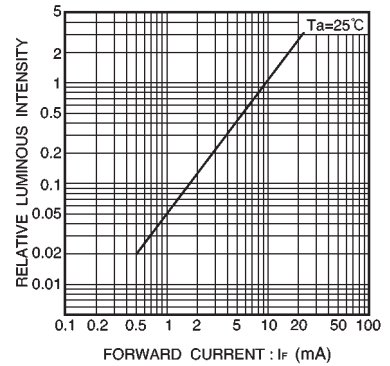


Fig. 24 Luminous intensity vs. forward current

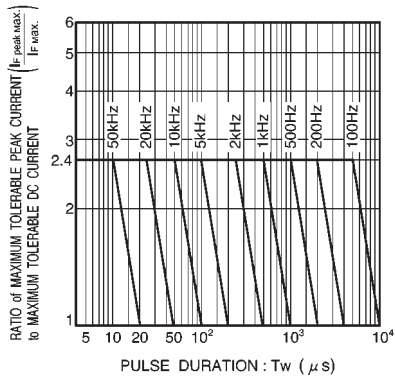


Fig. 25 Maximum tolerable peak current vs. pulse duration

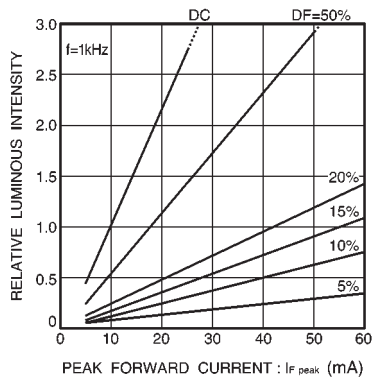


Fig. 26 Luminous intensity vs. peak forward current

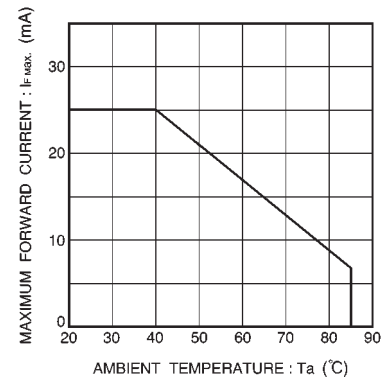


Fig. 27 Maximum forward current vs. ambient temperature