

●Electrical and optical characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Conditions	Values			Unit
			Min.	Typ.	Max.	
Optical output	P_O	$I_F=50\text{mA}$	-	8.0	-	mW
Emitting strength	I_E	$I_F=50\text{mA}$	5.6	-	-	mW/sr
Forward voltage	V_F	$I_F=100\text{mA}$	-	1.3	1.6	V
Reverse current	I_R	$V_R=3\text{V}$	-	-	10	μA
Peak light emitting wavelength	λ_p	$I_F=50\text{mA}$	-	950	-	nm
Spectral line half width	$\Delta\lambda$	$I_F=50\text{mA}$	-	40	-	nm
Half-viewing angle	$\theta_{1/2}$	$I_F=50\text{mA}$	-	± 15	-	deg
Response time	tr·tf	$I_F=50\text{mA}$	-	1.0	-	μs
Cut-off frequency	f_C	$I_F=50\text{mA}$	-	1.0	-	MHz

●Classified table of rank

Item	Emitting Strength : I_E	Unit
L	5.6 to 11.7	mW / sr
M	8.2 to 17.6	mW / sr
N	12.3 to 25.8	mW / sr
P	18.0 to 38.8	mW / sr

© Condition $I_F=50\text{mA}$

●Electrical and optical characteristics curves

Fig.1 Forward Current Falloff

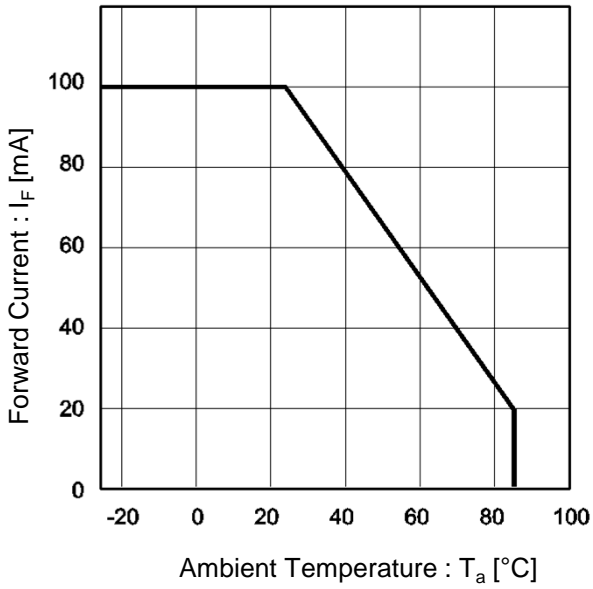


Fig.2 Forward Current vs. Forward Voltage

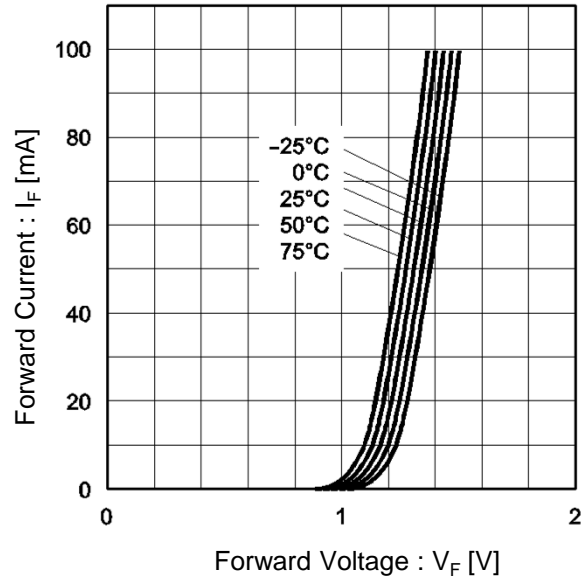


Fig.3 Wavelength

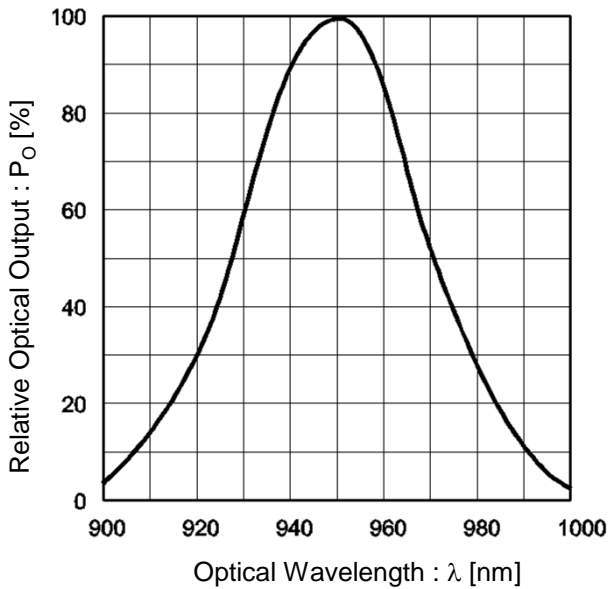
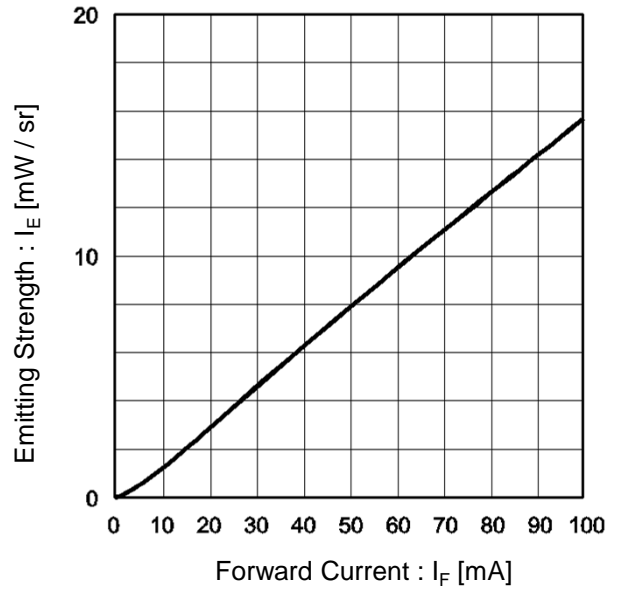


Fig.4 Emitting Strength vs. Forward Current



●Electrical and optical characteristics curves

Fig.5 Relative Emitter Strength vs. Ambient Temperature

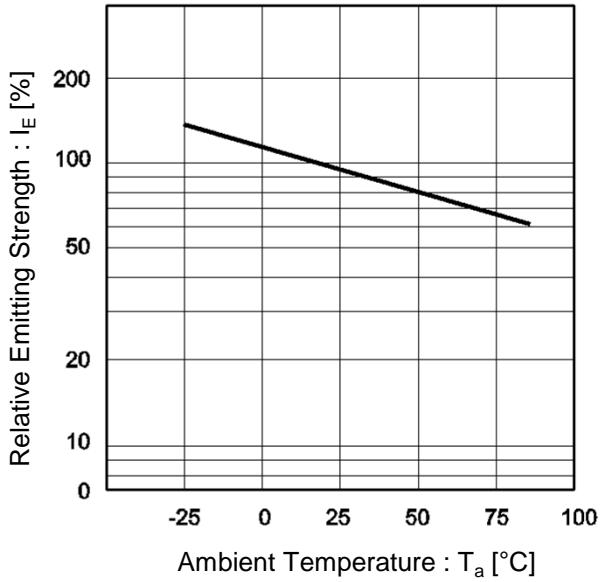
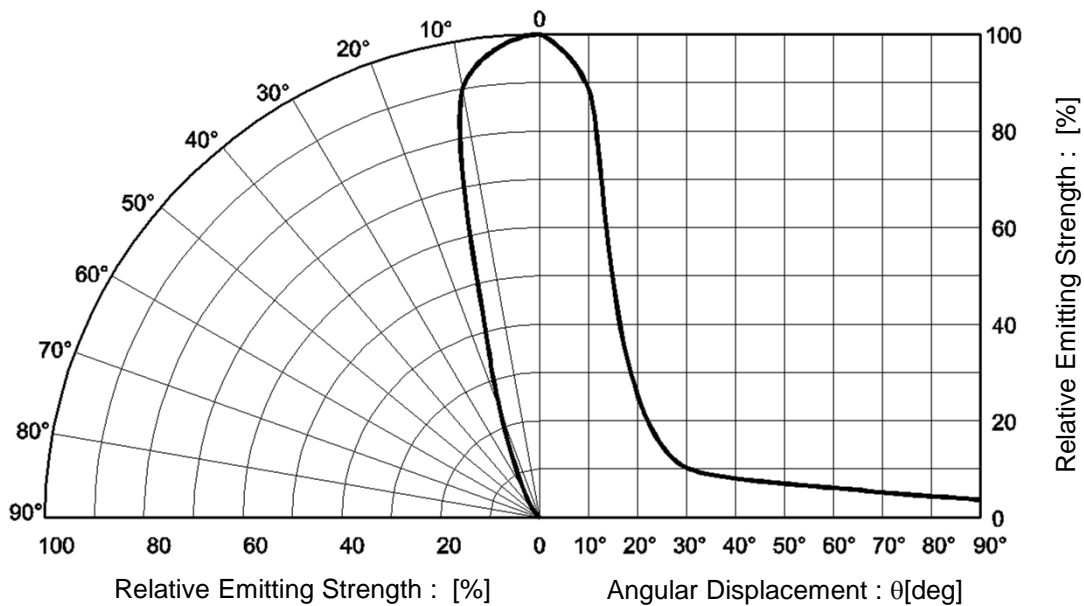


Fig.6 Directional Pattern



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