

●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

●Electrical and optical characteristics curves

Fig.1 Forward Current Falloff

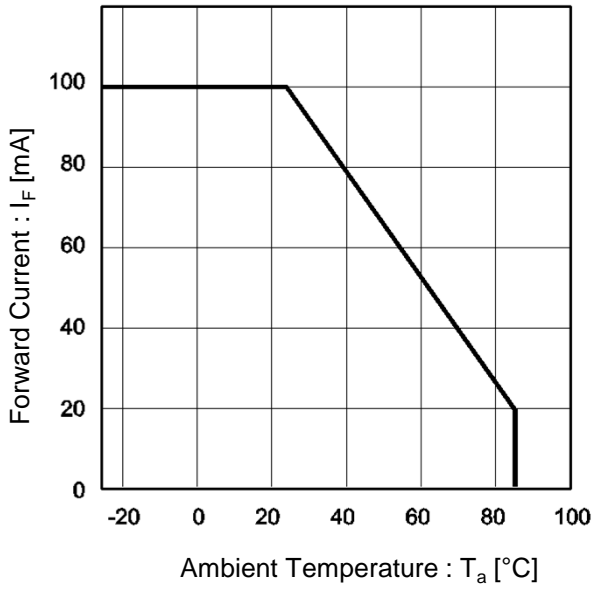


Fig.2 Forward Current vs. Forward Voltage

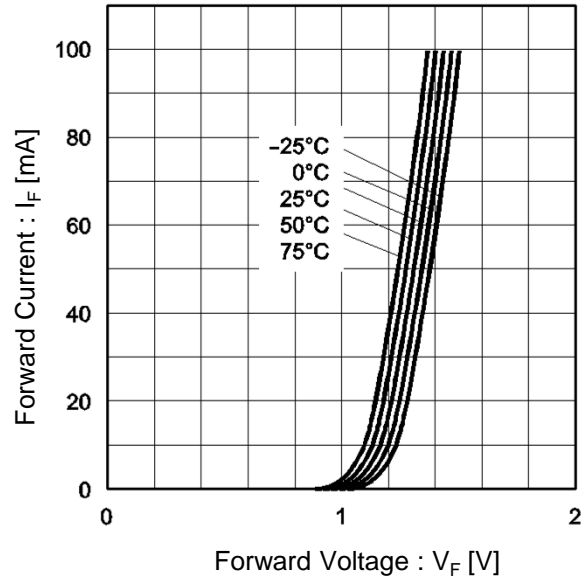


Fig.3 Wavelength

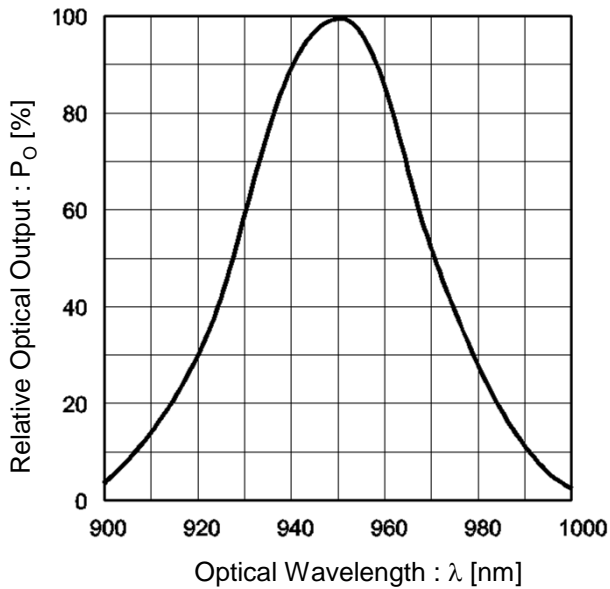
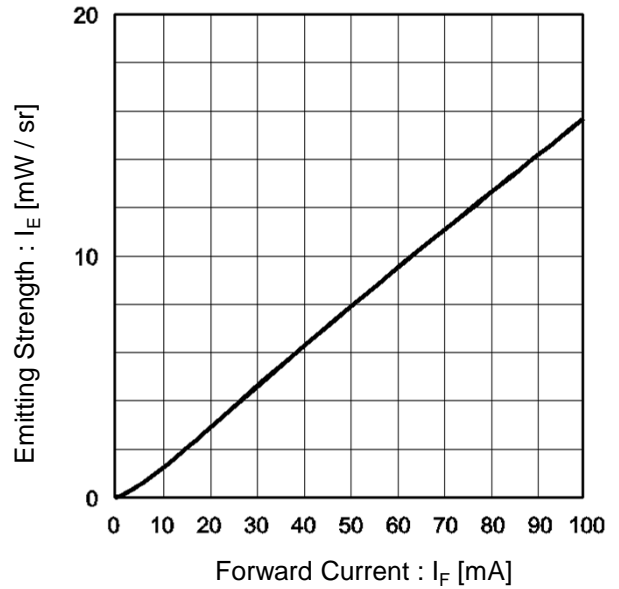


Fig.4 Emitting Strength vs. Forward Current



●Electrical and optical characteristics curves

Fig.5 Relative Emitter Strength vs. Ambient Temperature

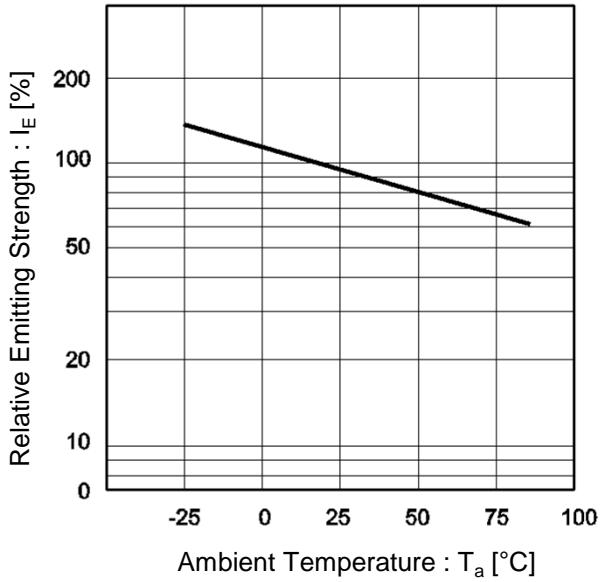
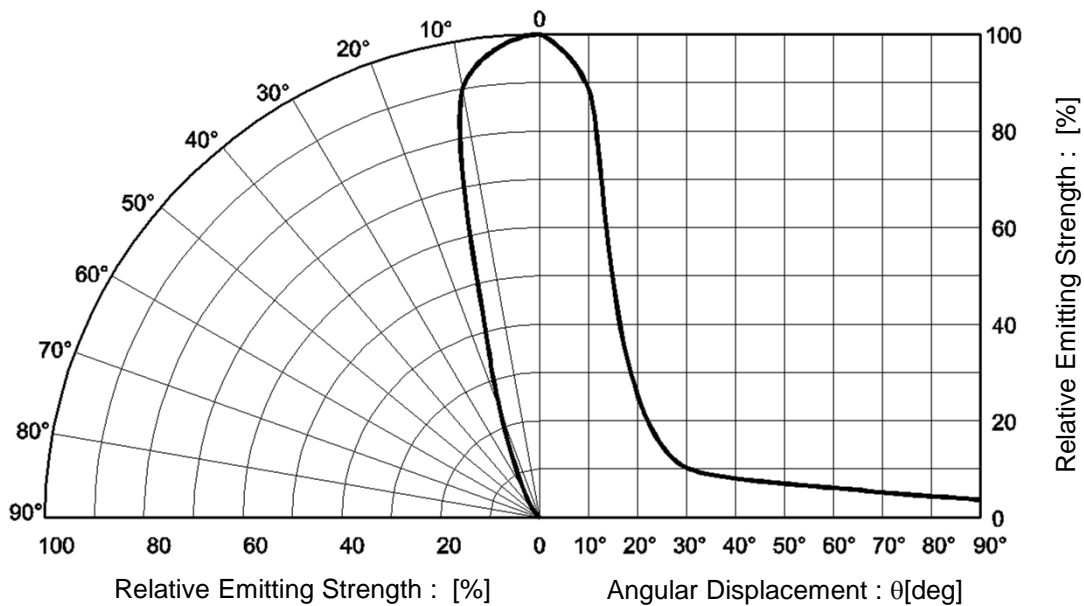


Fig.6 Directional Pattern



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