



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

Parameter	Symbol	Conditions	Values			Unit
			Min.	Typ.	Max.	
Emitting strength	$I_E$	$I_F = 50\text{mA}$	-	7.5	-	mW/sr
Forward voltage	$V_F$	$I_F = 50\text{mA}$	-	1.3	1.6	V
Reverse current	$I_R$	$V_R = 3\text{V}$	-	-	10	$\mu\text{A}$
Peak light emitting wavelength	$\lambda_p$	$I_F = 50\text{mA}$	-	950	-	nm
Spectral line half width	$\Delta\lambda$	$I_F = 50\text{mA}$	-	40	-	nm
Half-viewing angle	$\theta_{1/2}$	$I_F = 50\text{mA}$	-	$\pm 15$	-	deg
Response time	$tr \cdot tf$	$I_F = 50\text{mA}$	-	1.0	-	$\mu\text{s}$
Cut-off frequency	$f_C$	$I_F = 50\text{mA}$	-	1.0	-	MHz

●Electrical and optical characteristics curves

Fig.1 Forward Current Falloff

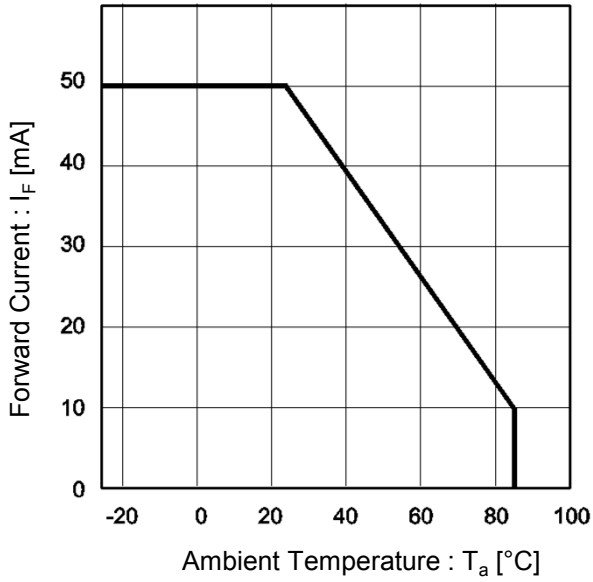


Fig.2 Forward Current vs. Forward Voltage

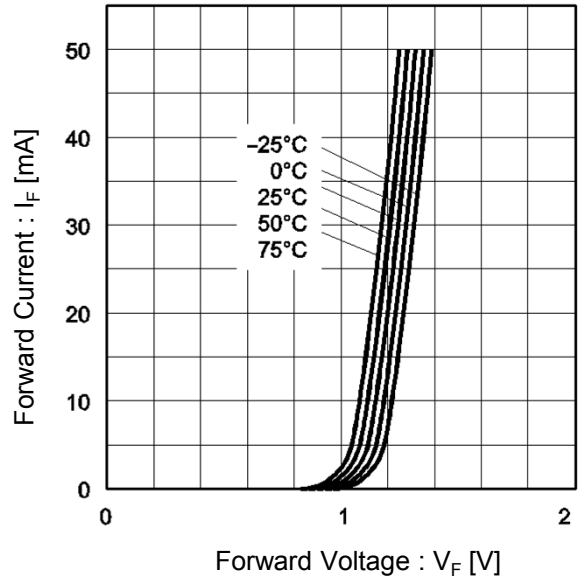


Fig.3 Emitter Strength vs. Forward Current

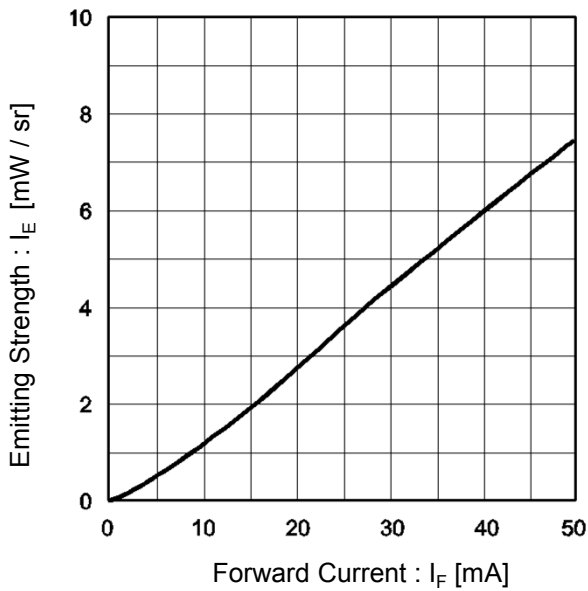
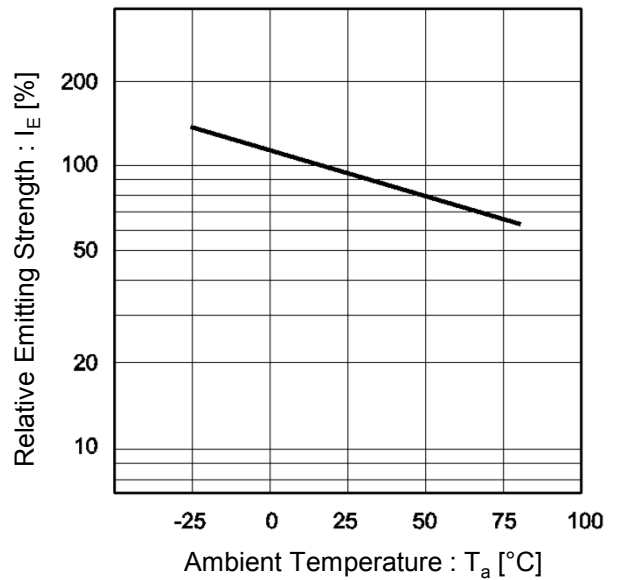


Fig.4 Relative Emitter Strength vs. Ambient Temperature



●Electrical and optical characteristics curves

Fig.5 Wavelength

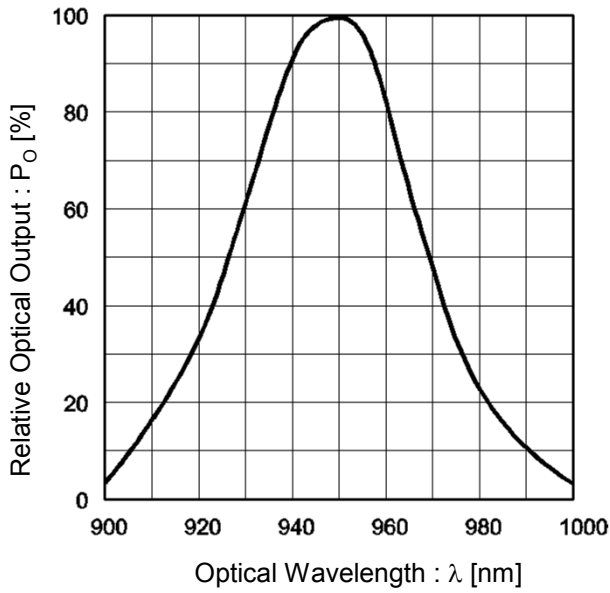
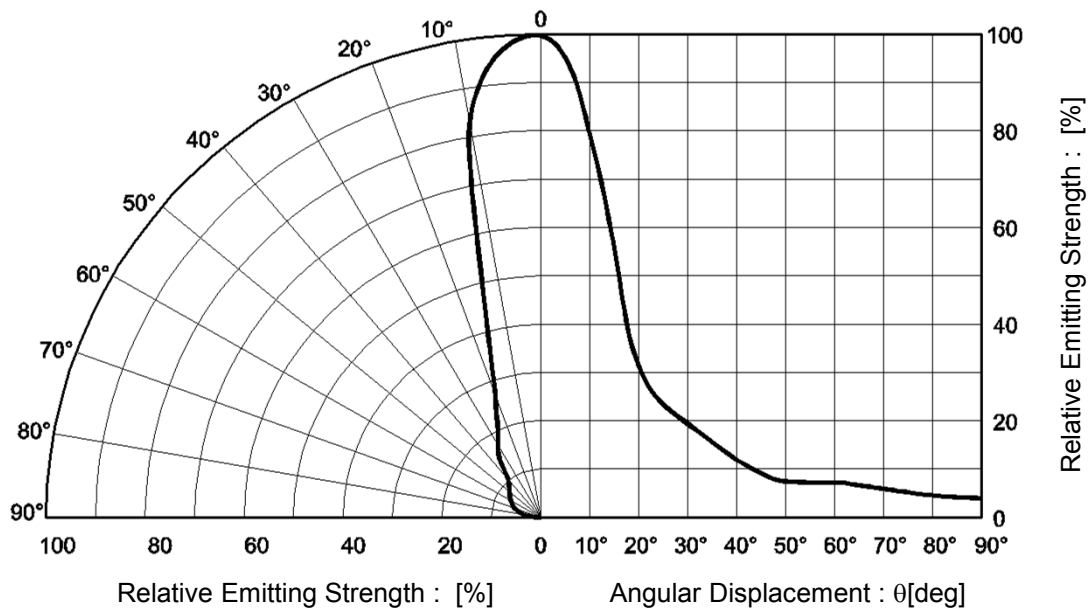


Fig.6 Directional Pattern



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