

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Threshold current	I_{th}^{*1}	–	60	75	mA	CW
Operating current	I_{op}^{*1}	–	150	200	mA	CW : P _o =80mW
Operating voltage	V_{op}^{*1}	–	2.7	3.2	V	CW : P _o =80mW
Differential efficiency	η^{*1}	0.7	1.0	1.3	mW/mA	CW : 30mW / (I(80mW) – I(50mW))
Monitor current	I_m^{*1}	–	–	–	mA	–
Parallel divergence angle	$\theta_{//}^{*1}$	8	10	13	deg	CW : P _o =100mW
Perpendicular divergence angle	θ_{\perp}^{*1}	15	17	19		
Parallel deviation angle	$\Delta\phi_{//}^{*1}$	–2.0	0	+2.0		
Perpendicular deviation angle	$\Delta\phi_{\perp}^{*1}$	–3.0	0	+3.0		
Emission point accuracy	ΔXYZ^{*1}	–80	0	+80	μm	–
Peak emission wave length	λ^{*1}	650	658	662	nm	CW : P _o =80mW
Astigmatism	As^{*2}	–	–	6	μm	CW : P _o =80mW

* $\theta_{//}$ and θ_{\perp} are defined as the angle within which the intensity is 50% of the peak value.

●Electrical and optical characteristics curve

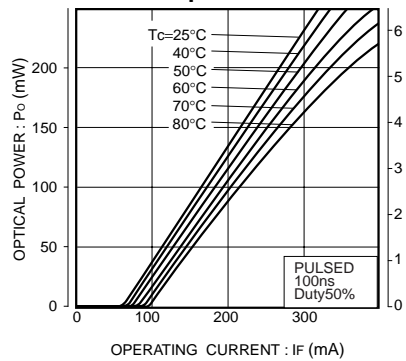


Fig.1 Optical output vs. operating current

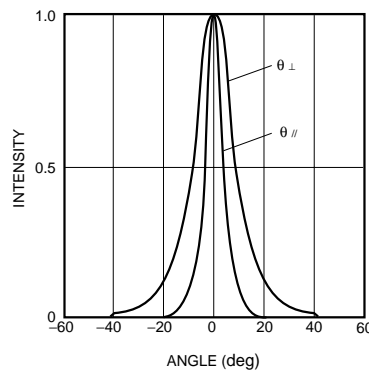


Fig.2 Far field pattern

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