

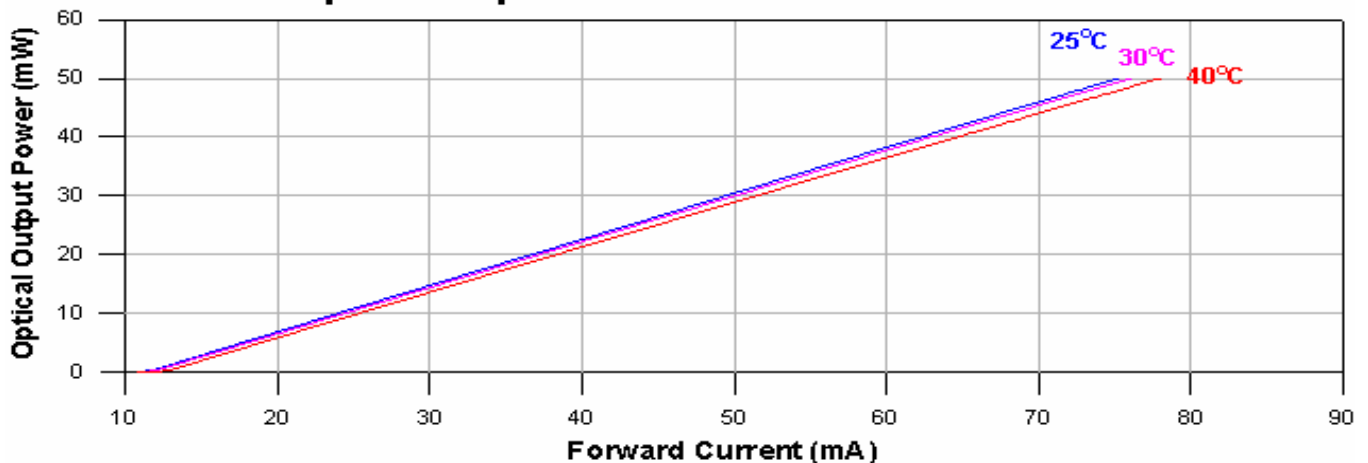
■ Electrical and Optical Characteristics(Tc=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit	
Threshold Current	I _{th}	-	-	12	20	mA	
Operating Current	I _{op}	P _o =50mW	-	75	100	mA	
Operating Voltage	V _{op}	-	1	1.5	2.1	Volt	
Slope Efficiency	η	30mW-10mW	0.5	0.8	-	mW/mA	
		I _{30mW} -I _{10mW}					
Monitor Current	I _m	P _o =50mW	0.1	0.3	0.5	mA	
Beam Divergence (FWHM)	Parallel	$\theta //$	P _o =50mW	8	13	18	deg.
	Perpendicular	$\theta \perp$	P _o =50mW	25	30	35	deg.
Lasing Wavelength	λ	P _o =50mW	970	980	990	nm	
Emission point accuracy	$\Delta X, \Delta Y, \Delta Z$	P _o =50mW	-60	-	60	um	

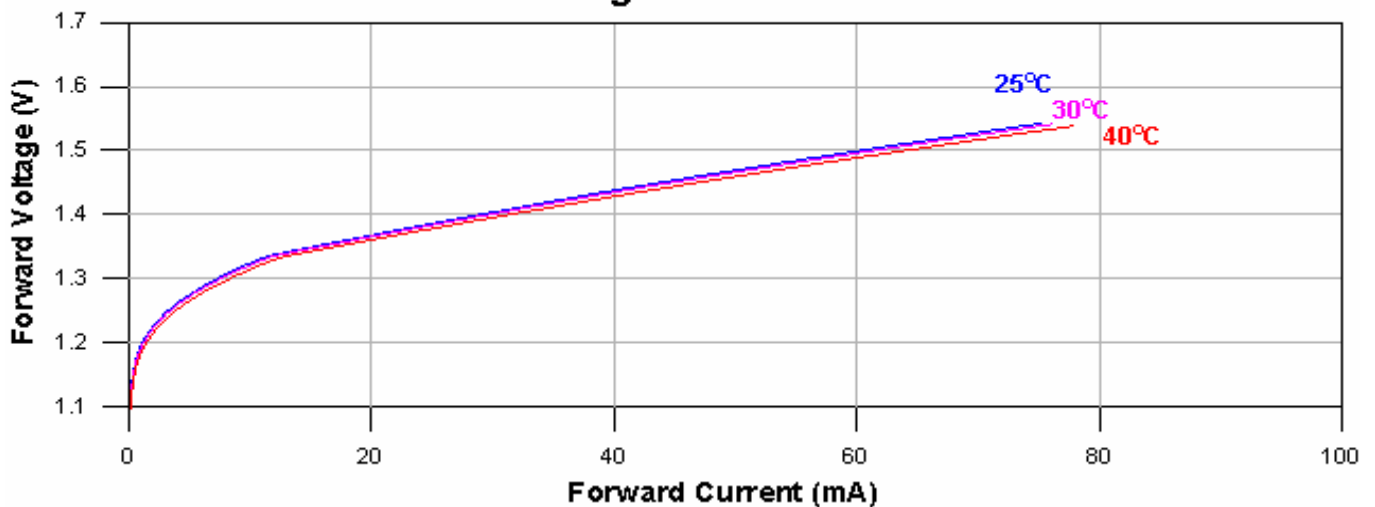
◎ $\theta //$ and $\theta \perp$ are defined as the angle within which the intensity is 50% of the peak value.

■ Typical characteristic curves

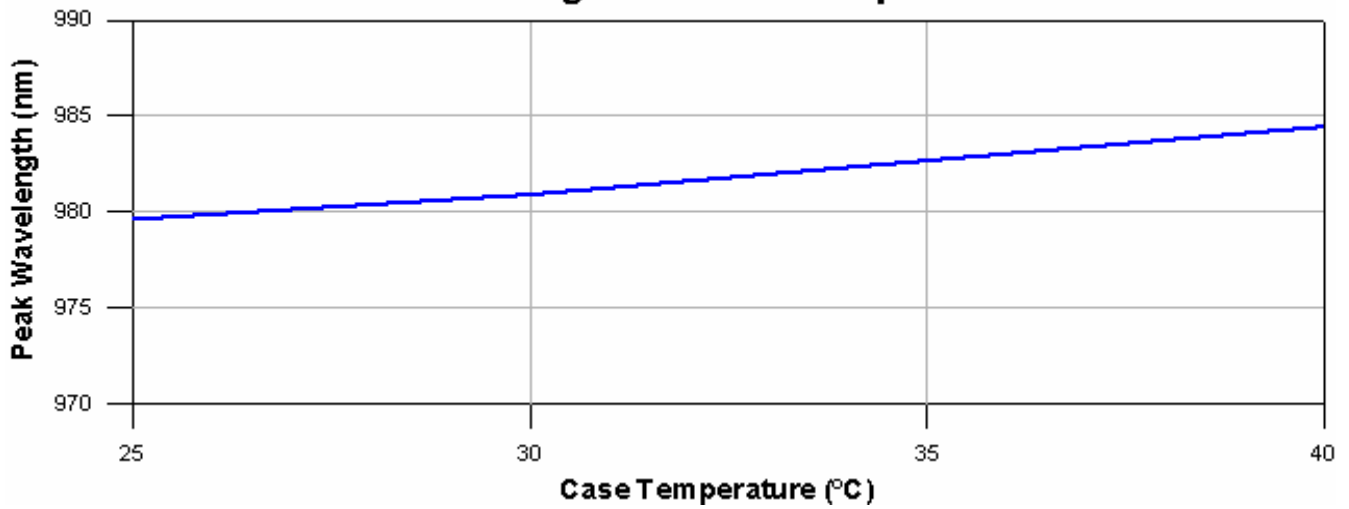
Optical Output Power v.s. Forward Current



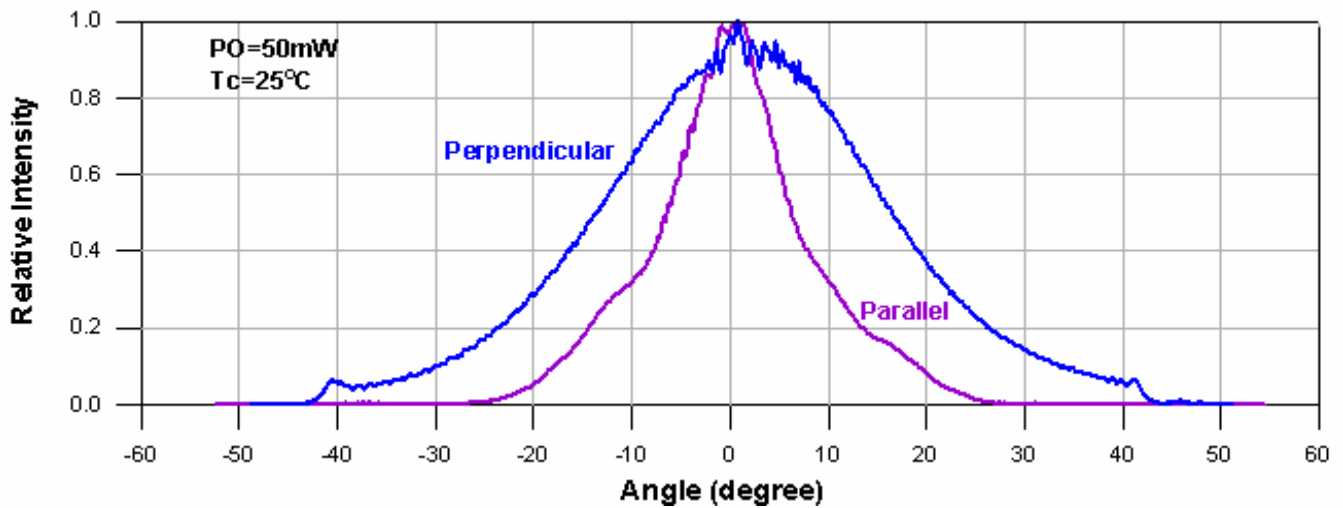
Forward Voltage v.s. Forward Current



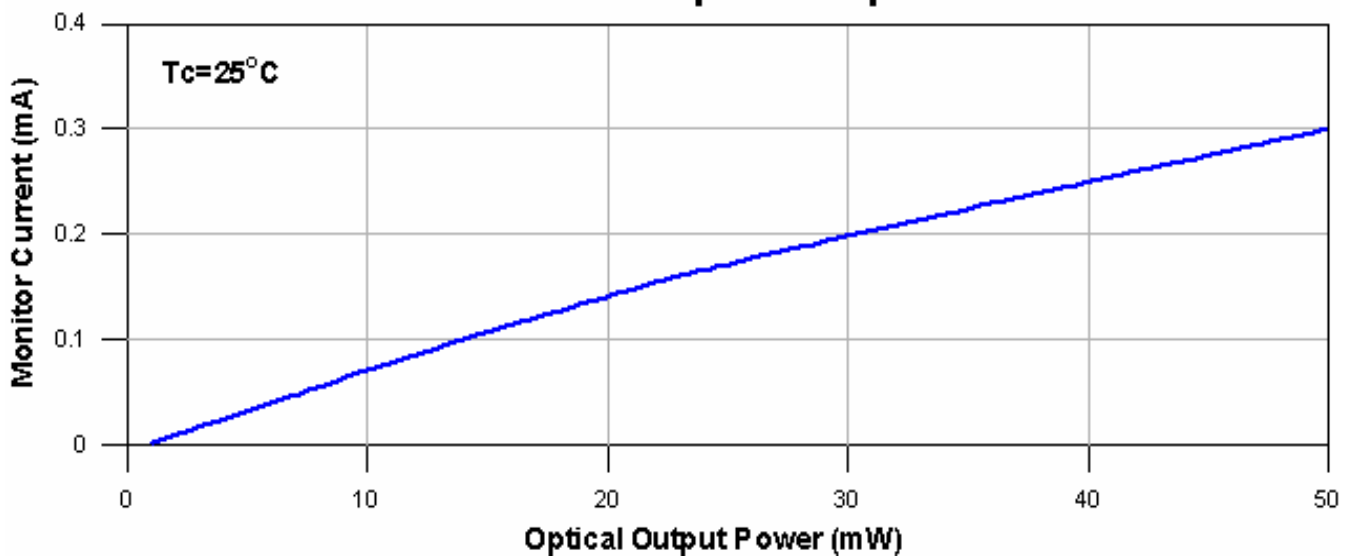
Peak Wavelength v.s. Case Temperature



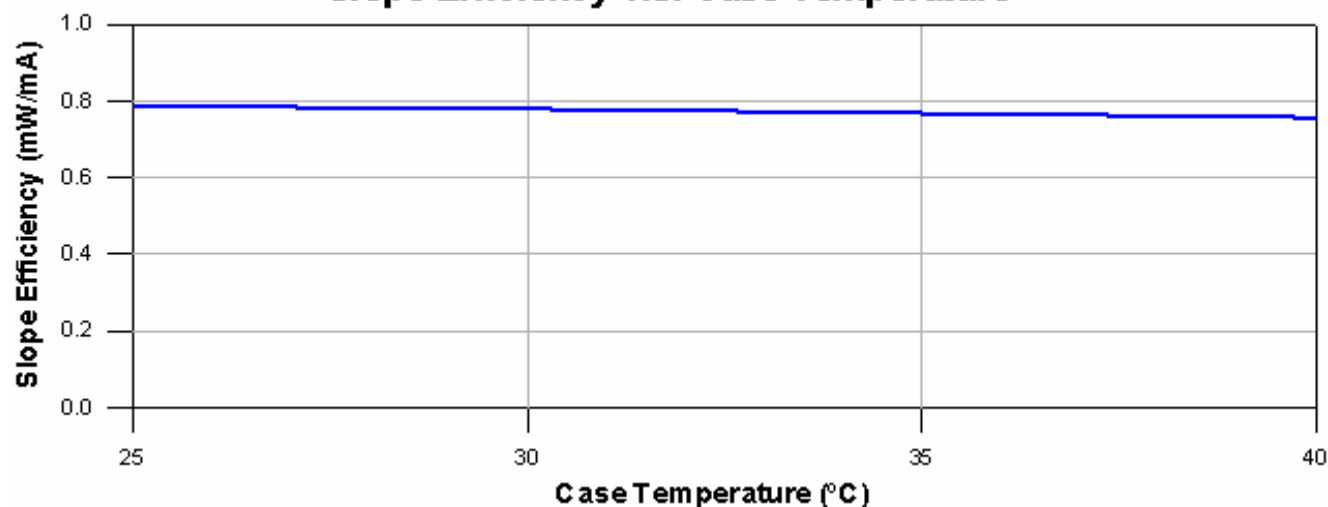
Far-Field Pattern



Monitor Current v.s. Optical Output Power



Slope Efficiency v.s. Case Temperature



Threshold Current v.s. Case Temperature

