

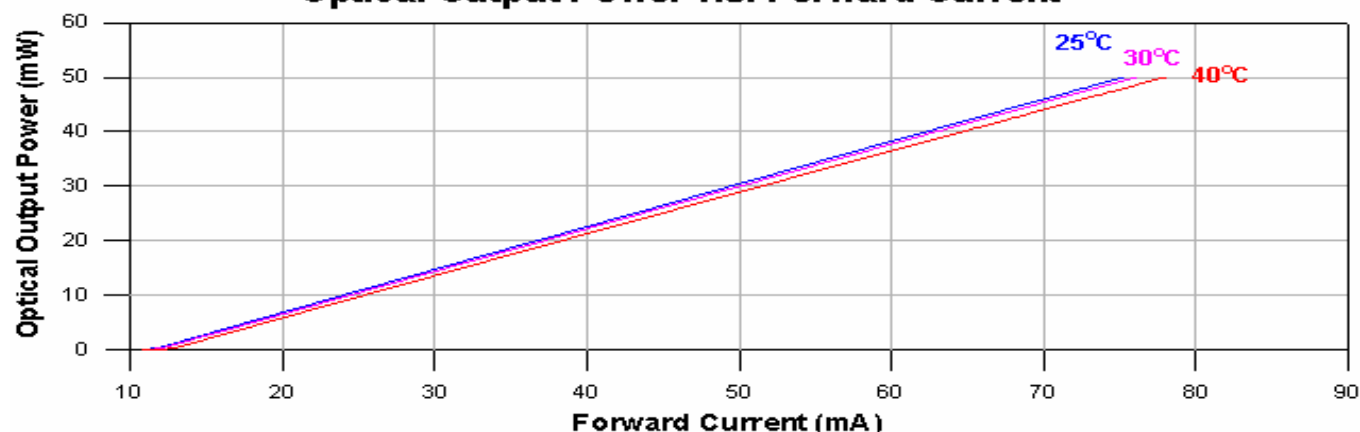
■ Electrical and Optical Characteristics(Tc=25°C)

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	-	-	-	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

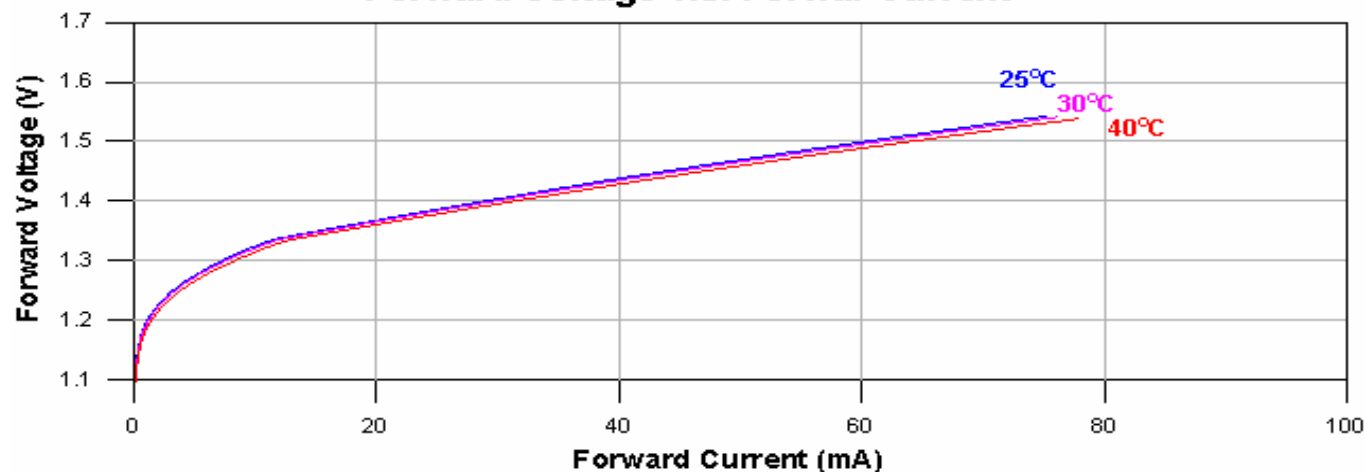
◎ $\theta //$ and $\theta \perp$ are defined as the angle within which the intensity is 50% of the peak value.

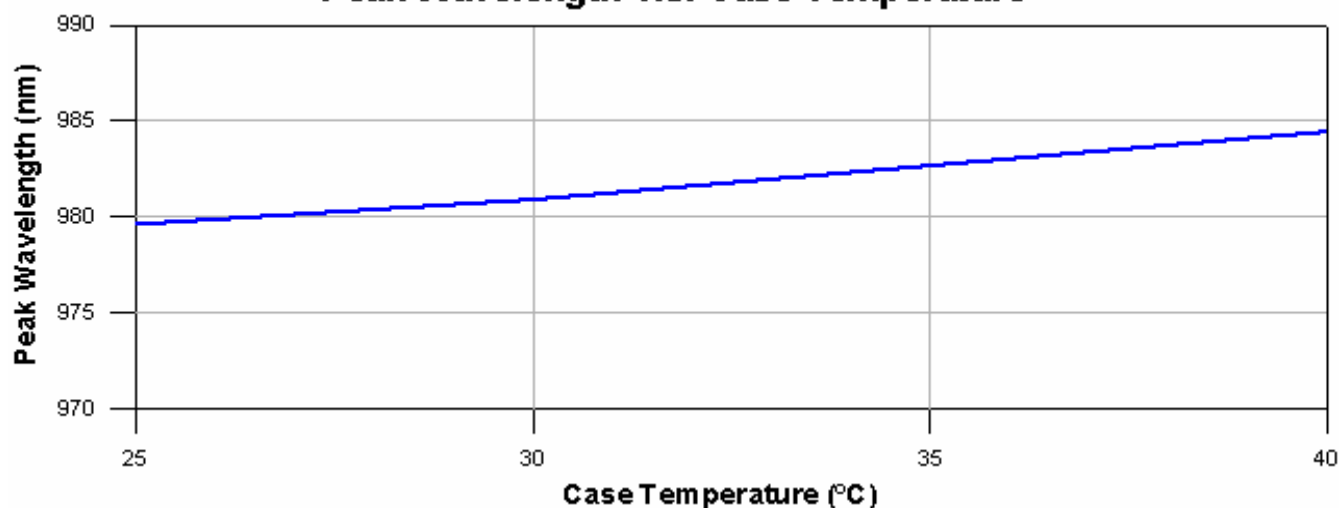
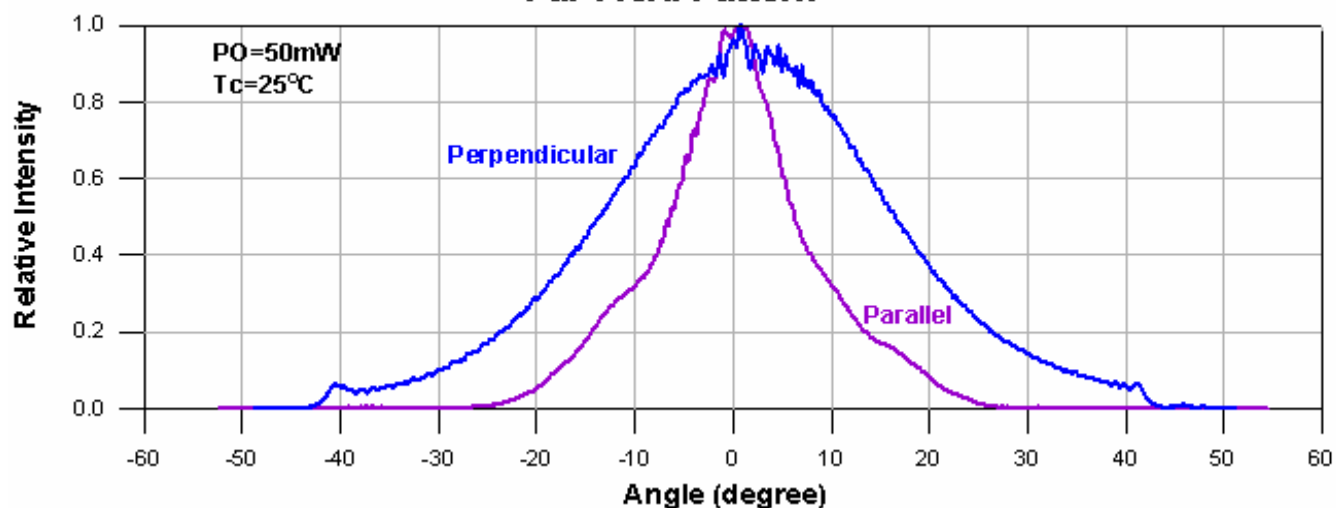
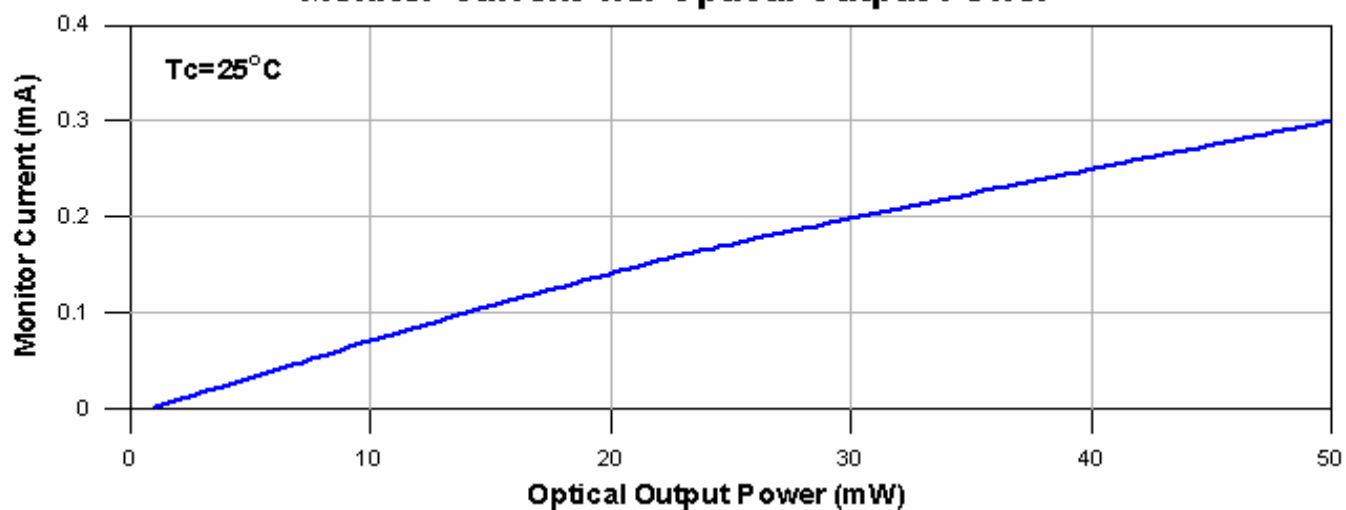
■ Typical characteristic curves

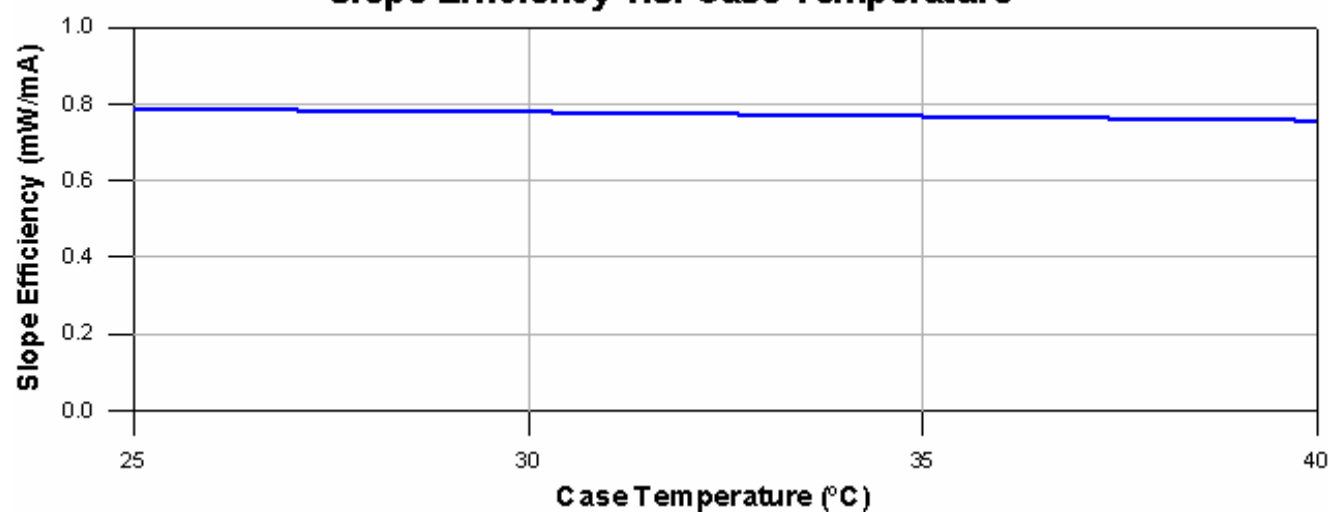
Optical Output Power v.s. Forward Current



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**