

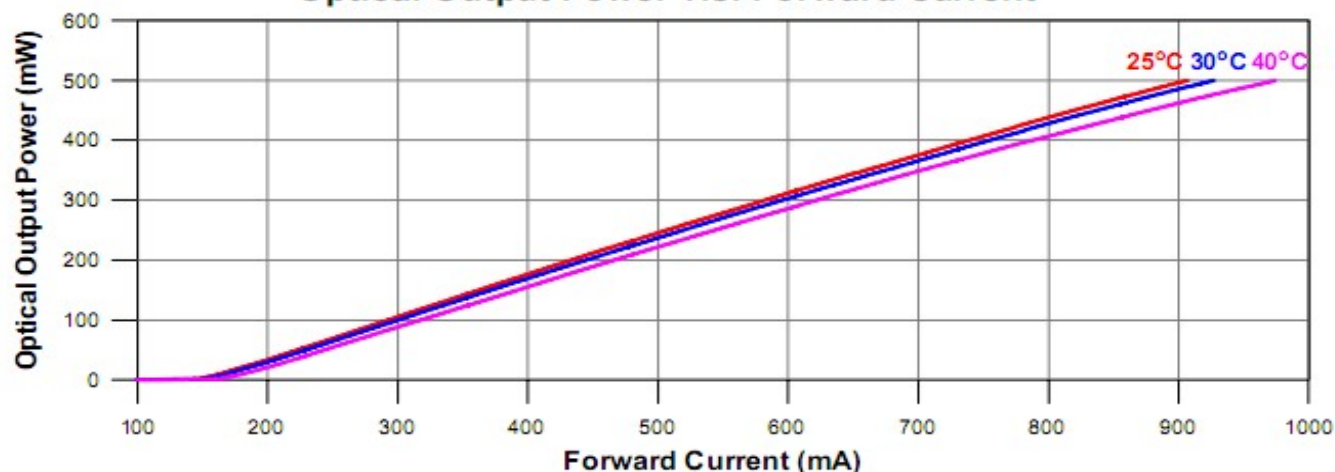
Electrical and Optical Characteristics(Tc=25°C)

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Threshold Current		I _{th}	-	-	150	200	mA
Operating Current		I _{op}	P _o =500mW	-	910	1200	mA
Operating Voltage		V _{op}	-	1.2	1.6	2.3	Volt
Slope Efficiency		η	375mW-125mW	0.5	0.65	-	mW/mA
			I _{375mW} -I _{125mW}				
Beam Divergence (FWHM)	Parallel	$\theta //$	P _o =500mW	-	7	-	deg.
	Perpendicular	$\theta \perp$	P _o =500mW	28	31	42	deg.
Lasing Wavelength		λ	P _o =500mW	970	980	990	nm

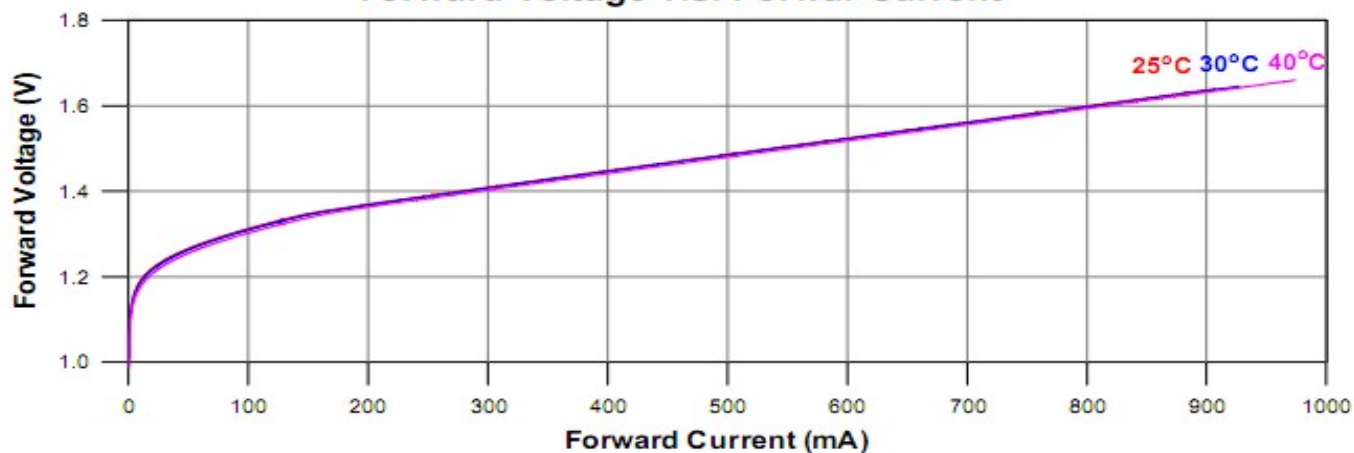
© $\theta \perp$ are defined as the angle within which the intensity is 50% of the peak value.

Typical characteristic curves

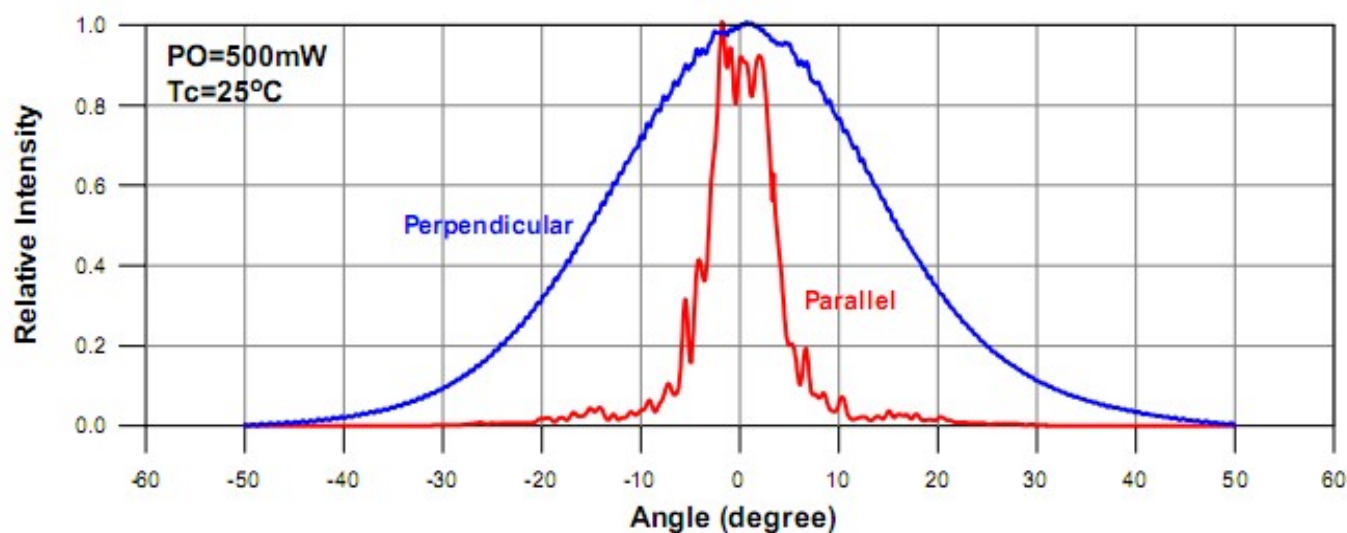
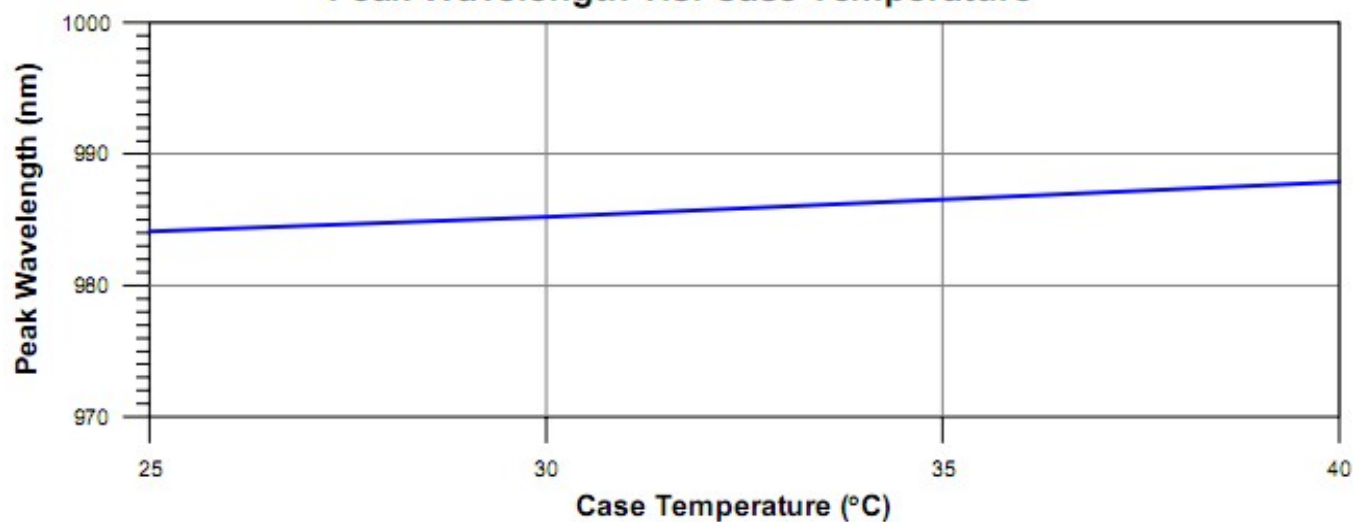
Optical Output Power v.s. Forward Current



Forward Voltage v.s. Forward Current



Peak Wavelength v.s. Case Temperature



Slope Efficiency v.s. Case Temperature

