

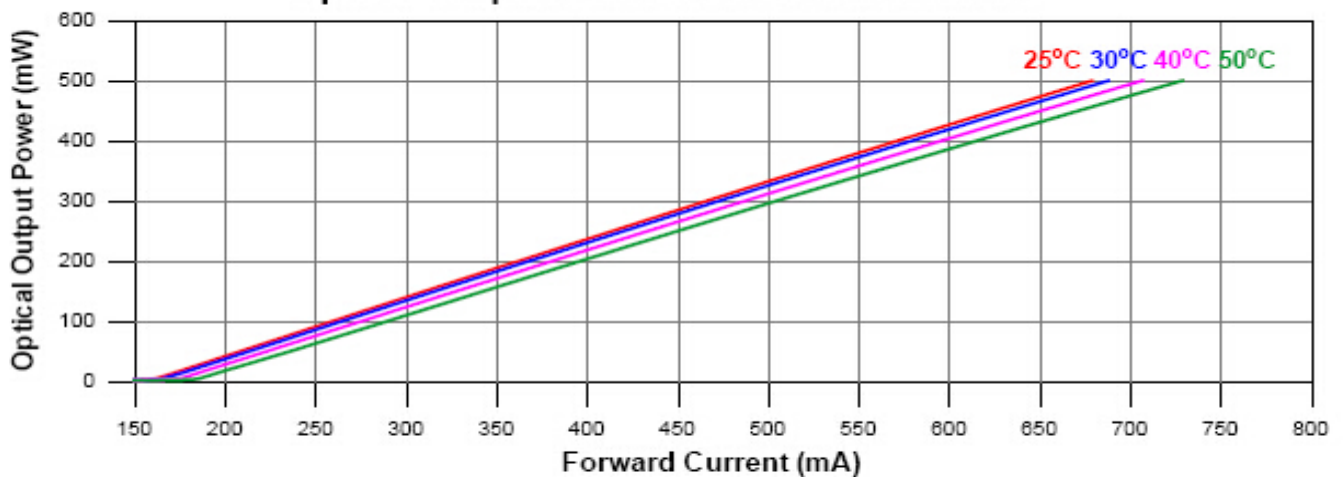
Electrical and Optical Characteristics($T_c=25^\circ\text{C}$)

Parameter	Symbols	Conditions	Min.	Typ.	Max.	Units	
Threshold Current	I_{th}	-	-	160	180	mA	
Operating Current	I_{op}	$P_o=500\text{mW}$	-	680	720	mA	
Operating Voltage	V_{op}	-	-	1.9	2.2	Volts	
Slope Efficiency	η	375mW-125mW	-	0.95	-	mW/mA	
		$I_{375\text{mW}}-I_{125\text{mW}}$					
Monitor Current	I_m	$P_o=500\text{mW}$	0.6	1	-	mA	
Beam Divergence (FWHM)	Parallel	$\theta //$	$P_o=500\text{mW}$	-	13	18	deg.
	Perpendicular	$\theta \perp$	$P_o=500\text{mW}$	-	18	23	deg.
Lasing Wavelength*	λ	$P_o=500\text{mW}$	840	850	860	nm	

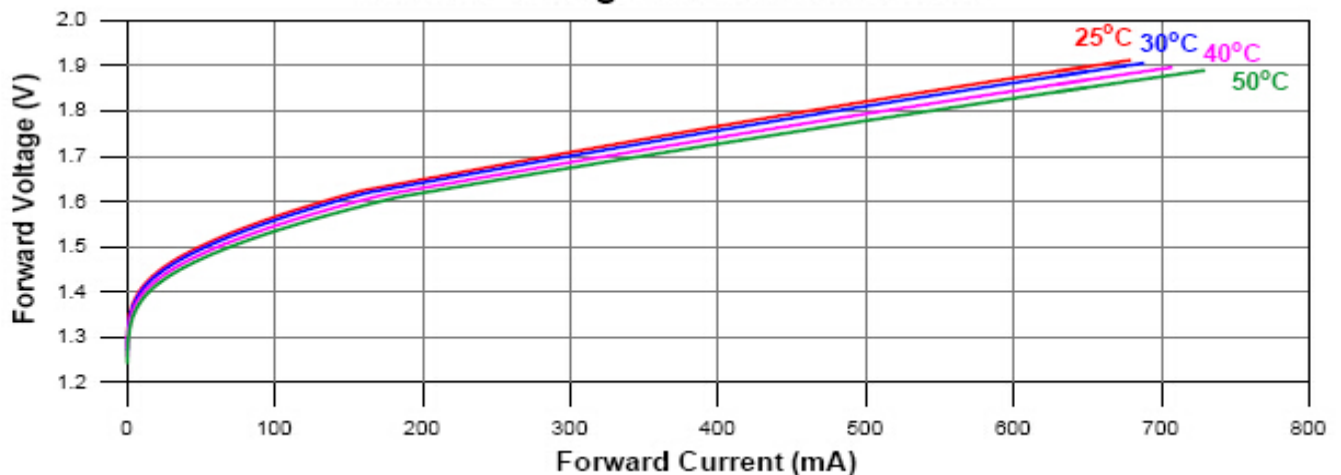
◎ $\theta //$ and $\theta \perp$ are defined as the angle within which the intensity is 50% of the peak value.

Typical characteristic curves

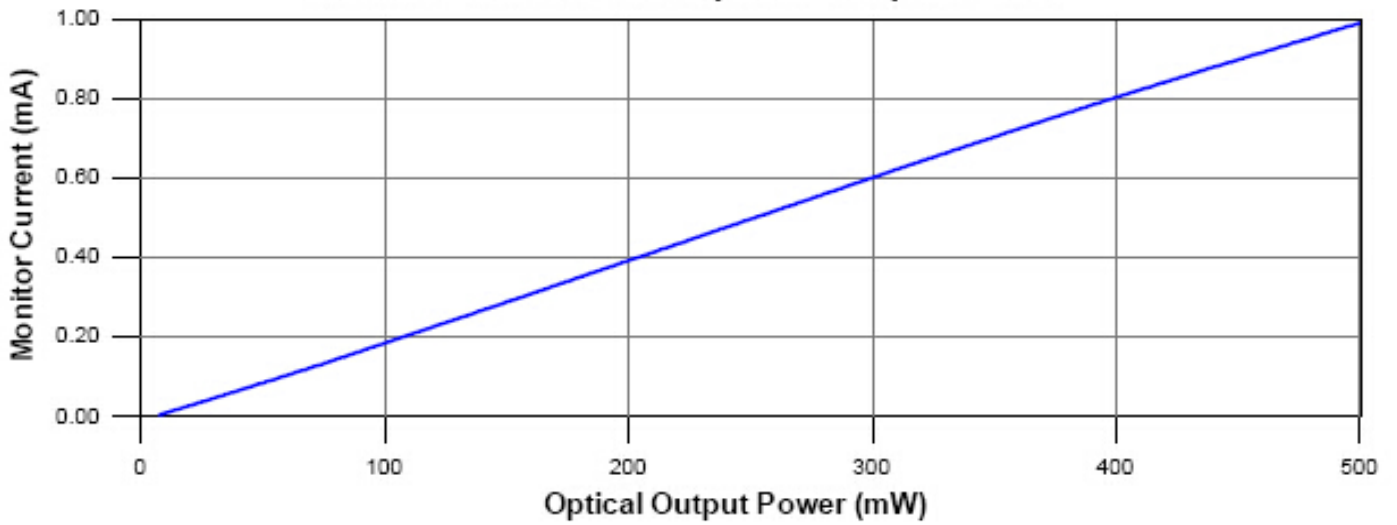
Optical Output Power v.s. Forward Current



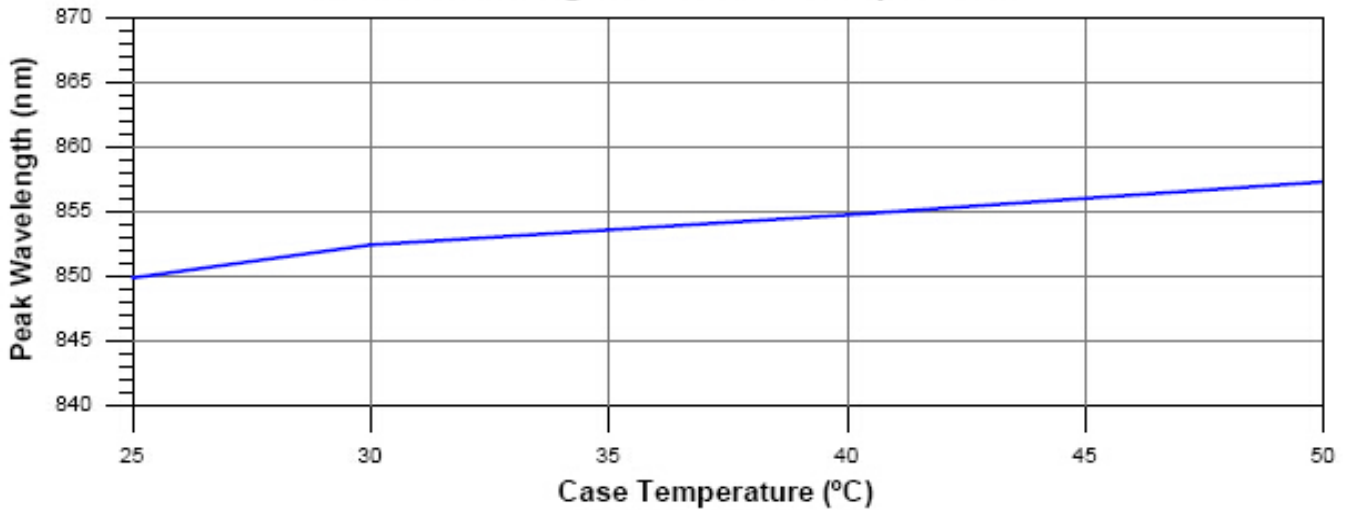
Forward Voltage v.s. Forward Current



Monitor Current v.s. Optical Output Power



Peak Wavelength v.s. Case Temperature



Far-Field Pattern

