

Absolute Maximum Ratings(Tc=25°C)

Paramter	Symble	Unit	Specification			Others
			min	type	max	
Wavelength	λ	nm	805	808	811	
Spectrum width (FWHM)	$\Delta\lambda$	nm		2.5	4.0	
Output power (CW)	P_0	mW	200			Kink-free
Threshold Current	I_{th}	mA		50	70	
Forward current	I_{op}	mA		210	220	$P_0=200mW$
Forward voltage	V_{op}	V		1.9	2.1	$P_0=200mW$
Sloping Efficiency	η_D	mW/mA	1.0	1.1	—	
Operating temperature	T_{op}	°C	-10—50			
work life	t	Hr	10000	—	—	25°C
Beam divergence (FWHM)	B	$\theta_{\perp} \times \theta_{//}$	—	$38^{\circ} \times 10^{\circ}$	—	
Emit Width		μm		30		
Chip Width	W	μm		300		Or 500 μm
Cavity Length	L	μm		500		
Chip Thickness	T	μm	100	110	120	Or 150 μm

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