



Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Parameter	Symbol	Maximum Value
Average Forward Current	I_F	30mA
Peak Forward Current ^[a]	I_{peak}	100mA
Reverse Voltage	V_R	5V
Power Dissipation	P_D	72mW
Operating Temperature Range	T_{opr}	-40°C ~ +85°C
Storage Temperature Range	T_{sto}	-40°C ~ +100°C
Lead Soldering Temperature	T_{sol}	260°C / 5 seconds

Notes: [a] Duty Ratio = 1/10, Pulse Width = 0.1ms.

Device Selection Guide

Part Number	Luminous Intensity $I_v(\text{mcd}) @ I_F = 20 \text{ mA}$		Viewing Angle $2\theta_{1/2}$	Dominant Wavelength $\lambda_d(\text{nm}) @ I_F = 20 \text{ mA}$	V_F @ $I_F = 20 \text{ mA}$		$I_R(\mu\text{A})$ @ $V_R = 5\text{V}$	Stand Off	Epoxy Color
	Min.	Typ.	Typ.	Typ.	Typ.	Max.	Max.		
L505VC2-E-D11.4	810	1500	40°/25°	589	2.0	2.4	10	Yes	Clear

BIN#	R	S	T		
Intensity(mcd) @ $I_F = 20 \text{ mA}$	810-1135	1135-1590	1590-2225		

Package Dimensions

