



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

Parameter	Symbol	Maximum Value
Average Forward Current	$I_F$	30mA
Peak Forward Current <sup>[a]</sup>	$I_{peak}$	100mA
Reverse Voltage	$V_R$	5V
Power Dissipation	$P_D$	78mW
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 $I_v$ (mcd) @ $I_F = 20\text{ mA}$		Viewing Angle $2\theta_{1/2}$	Dominant Wavelength $\lambda_D$ (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.		
L390VD2-E-D9.55	470	800	105°/45°	589	2.2	2.6	10	Yes	Yellow Diffused

BIN#	P	Q	R		
Intensity(mcd) @ $I_F = 20\text{ mA}$	470-660	660-920	920-1285		

**Package Dimensions**

