

< Table 2 Absolute maximum ratings for PLCC 3528 series>

Parameter	Rating	Unit	Symbol
Forward Current	150	mA	I_F
Pulse Forward Current ($t_p \leq 100\mu s$, Duty cycle=0.25)	250	mA	
Reverse Voltage	5	V	V_R
Forward Voltage	4.0	V	V_F
Power Dissipation	600	mW	
LED Junction Temperature	125	$^{\circ}C$	T_J
Operating Temperature	-30 ~ +85	$^{\circ}C$	
Storage Temperature	-40 ~ +100	$^{\circ}C$	
Soldering Temperature	255~260	$^{\circ}C$	
Manual Soldering at 350 $^{\circ}C$ (Max.)	3	Sec	

Notes:

1. Proper current derating must be observed to maintain junction temperature below the maximum at all time.
2. LEDs are not designed to be driven in reverse bias.
3. t_p : Pulse width time

Parameter	Symbol	Min	Typ.	Max.	Units
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Forward Voltage Typical @150mA	V_f	2.8V	3.6V	4.0V	V
Luminous Intensity	I_v	5,950	8,000		mcd
Luminous Flux	Φ_v		22		Lumens
Color Temperature	CCT	5,500		10,000	K

