



◆ **ABSOLUTE MAXIMUM RATINGS: (T_J=25°C)**

Part No.	P _D (mW)	V _R (V)	Topr	Tstg
EP2012-150XX	380/600	5	-40°C to 100°C	-40°C to 100°C
PARAMETER	Power Dissipation	Reverse Voltage	Operating Temperature Range	Storage Temperature Range

◆ **ELECTRO-OPTICAL CHARACTERISTICS: (T_J=25°C)**

Part No.	V _F (V)			I _R (μA)	λ _D (nm) CCT(K)	Thermal Resistance (°C/w)	2θ 1/2 (deg)	Intensity I _v (cd)		Total Flux (lm)
	MIN.	TYP.	MAX.	MAX.	TYP.	TYP.	TYP.	MIN.	TYP.	TYP.
EP2012-150R1	2.0	2.2	2.5	10	620	85	10	21	50	3.0
EP2012-150A1	2.0	2.2	2.5	10	590	85	10	21	50	5.0
EP2012-150B1	3.0	3.4	4.0	10	470	65	10	12	20	1.5
EP2012-150C1	3.0	3.4	4.0	10	505	65	10	12	24	1.5
EP2012-150G1	3.0	3.4	4.0	10	525	65	10	28	60	3.5
EP2012-150BW1	3.0	3.4	4.0	10	7000°K (x=0.31/y=0.31)	65	10	12	20	3.0
TEST CONDITION	I _F =150 mA			V _R = 5V	I _F =150 mA	RθJ-PCB-AIR	I _F =150 mA	I _F =150 mA	I _F =150 mA	I _F =150 mA

1. All dimensions are in millimeters.
2. Tolerance is ± 0.25 mm unless otherwise specified.
3. LED Operating required anti-electrostatic devices in all equipment, machinery, and manual assembly.
4. 600 mW: 6 pins of E-Power LED required soldering on PCB. (PCB: 25.4 mm*25.4 mm 1.6 t / two layers / 2.0 oz)
5. Convective IR reflow soldering.