



◆ **ABSOLUTE MAXIMUM RATINGS: (T<sub>J</sub>=25°C)**

Part No.	P <sub>D</sub> (mW)	V <sub>R</sub> (V)	Topr	Tstg
EP2036-150XX	380/600	5	-40°C to 100°C	-40°C to 100°C
<b>PARAMETER</b>	<b>Power Dissipation</b>	<b>Reverse Voltage</b>	<b>Operating Temperature Range</b>	<b>Storage Temperature Range</b>

◆ **ELECTRO-OPTICAL CHARACTERISTICS: (T<sub>J</sub>=25°C)**

Part No.	V <sub>F</sub> (V)			I <sub>R</sub> (μA)	λ <sub>D</sub> (nm) CCT(K)	Thermal Resistance (°C/w)	2 θ 1/2 (deg)	Intensity I <sub>v</sub> (cd)		Total Flux (lm)
	MIN.	TYP.	MAX.	MAX.	TYP.	TYP.	TYP.	MIN.	TYP.	TYP.
EP2036-150R1	2.0	2.2	2.8	10	620	85	30	8.5	15	3.0
EP2036-150A1	2.0	2.2	2.8	10	590	85	30	8.5	15	5.0
EP2036-150B1	3.0	3.4	4.0	10	470	65	30	3.5	6.0	1.5
EP2036-150C1	3.0	3.4	4.0	10	505	65	30	4.7	10	1.5
EP2036-150G1	3.0	3.4	4.0	10	525	65	30	12	15	3.5
EP2036-150BW1	3.0	3.4	4.0	10	7000°K (x=0.31/y=0.31)	65	30	3.5	6.0	3.0
<b>TEST CONDITION</b>	I <sub>F</sub> =150 mA			V <sub>R</sub> =5 V	I <sub>F</sub> =150 mA	R <sub>θJ-PCB-AIR</sub>	I <sub>F</sub> =150 mA	I <sub>F</sub> =150 mA	I <sub>F</sub> =150 mA	I <sub>F</sub> =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.