

[SPECIFICATION OF LED CHIP]

Jul. 23, '13

- 1. Color Red
- 2. Material GaAlAs (D·D·H)
- 3. Electrode P(anode) side : Au
N(cathode) side : Au
- 4. Electrode pattern Fig.1
- 5. Chip size 0.32 mm × 0.32 mm × 0.12 mmH (Fig.2)
- 6. Emission area 0.23 mm × 0.23 mm (Fig.2)
- 7. Electrode-Optical characteristics

Parameters	Symbol	Condition	Min	Typ	Max	Unit
Power	Po	IF=20 mA	1.5	3.0		mW
Forward Voltage	VF	IF=20 mA		1.8	2.1	V
Reverse Current	IR	VR= 5 V			100	μ A
Peak Wavelength	HUE	IF=20 mA		680		nm
Spectral Radiation Bandwidth	Δ λ	IF=20 mA		20		nm

* LED chip : To be mounted on TO-18 gold header without resin coating.

- 8. Recommended bonding method Ultra-sonic method or a combination of ultra-sonic and thermo-compression method

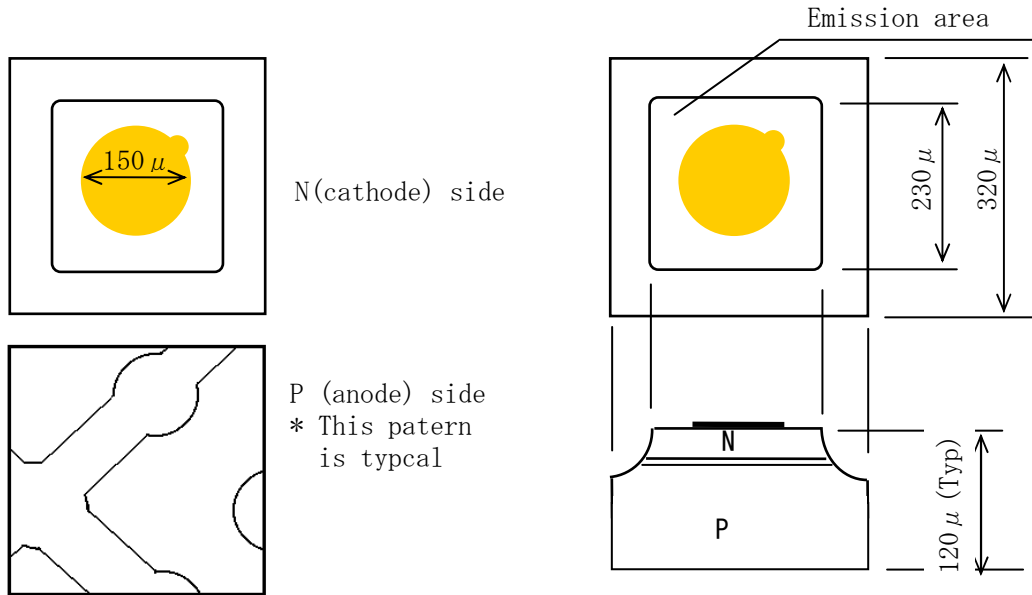


Fig.1 Electrode pattern

Fig.2 Chip size and Emission area

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