Marubeni

SPECIFICATION OF LED CHIP

C650-30E

[Red]

1) Commodity Type and Physical Characteristics.

1. Material		InGaAlP	
2. Electrode	Top Side	P (anode)side	:Au Alloy/ Pad
	Bottom Side	N (cathode)side	:Au Alloy
3. Electrode Pattern			Fig.1
4. Chip Size			Fig.2
5. Chip Thickness			Fig.2
6. Emission Area			Fig.2

2) Electro-Optical Characteristics [Ta=25°C]

Parameters	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	Vf	If=20mA		1.8	2.2	V
Reverse Current	Ir	Vr=5V			10	uA
Brightness	Iv	If=20mA		120		mcd
Power Intensity	Po	If=20mA		3		mW
Peak Wavelength	λP	If=20mA	640	650	660	nm
Spectral Radiation Bandwidth	Δλ	If=20mA		15		nm
RiseTime	tr	If=20mA				ns
FallTime	tf	If=20mA				ns

‡ Die shall be mounted on TO=18 gold header without resin coated.

[Unit: um]

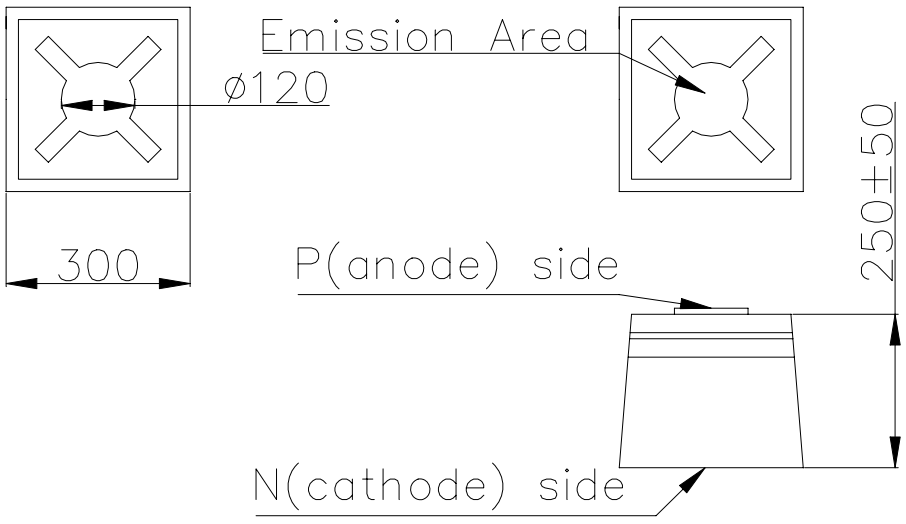

Fig.1 Electrode Pattern Fig.2 Chip size and Emission Area

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