

SPECIFICATION OF LED CHIP C660-30U [RED]

1) Commodity Type and Physical Characteristics.

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|----------------------|--------------------|-------------------|------------------|
| 1. Material | GaAlAs/GaAlAs(DDH) | | |
| 2. Electrode | Top Side | N (cathode)side | :Au Alloy/Al Pad |
| | Bottom Side | P (anode)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	V _f	I _f =20mA		1.9	2.3	V
Reverse Current	I _r	V _r =5V			10	uA
Brightness	I _v	I _f =20mA	40	60		mcd
Power Intensity	P _o	I _f =20mA	1.0	1.8		mW
Peak Wavelength	λ _P	I _f =20mA	650	660	670	nm
Spectral Radiation Bandwidth	Δλ	I _f =20mA		20		nm
RiseTime	t _r	I _f =20mA		100		ns
FallTime	t _f	I _f =20mA		100		ns

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

[Unit : um]

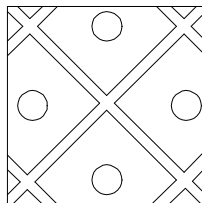
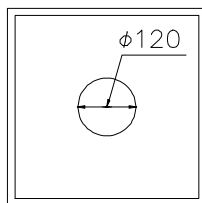


Fig.1 Electrode Pattern

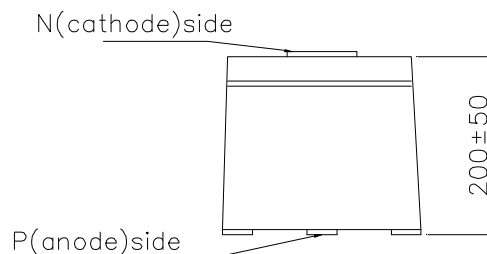
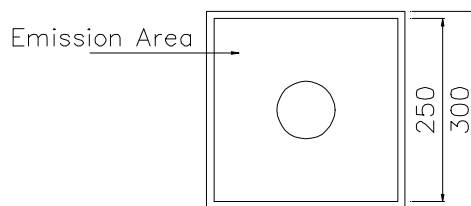


Fig.2 Chip size and Emission Area