

**SPECIFICATION OF LED CHIP**

**C690-35**

**[INFRARED]**

1) Commodity Type and Physical Characteristics.

- 1. Material GaAlAs
- 2. Electrode Top Side N ( cathode )side :Au Alloy & 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	Vf	If=20mA		1.8	2.2	V
Reverse Current	Ir	Vr=5V			10	uA
Power Intensity	Po	If=20mA	1.0	2.0		mW
Peak Wavelength	$\lambda_P$	If=20mA	680	690	700	nm
Spectral Radiation Bandwidth	$\Delta\lambda$	If=20mA		25		nm
Rise Time	tr	If=20mA		80		ns
Full time	tf	If=20mA		80		ns

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

[Unit : um]

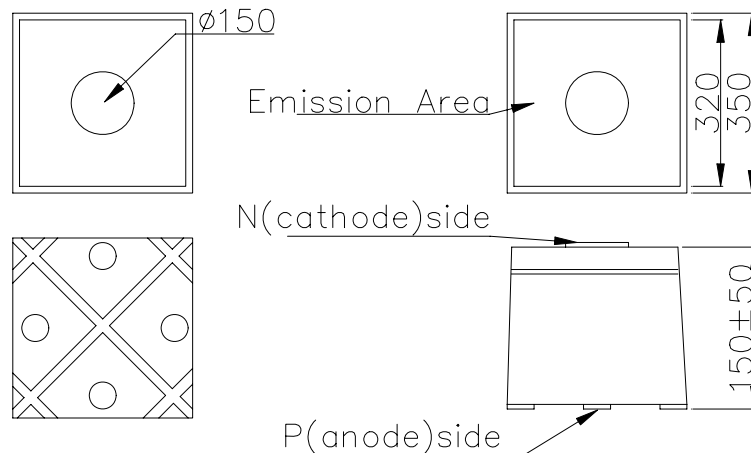


Fig.1 Electrode Pattern

Fig.2 Chip size and Emission Area