

SPECIFICATION OF LED CHIP

C690-40

[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	V _f	I _f =20mA		1.8	2.2	V
Reverse Current	I _r	V _r =5V			10	uA
Power Intensity	P _o	I _f =20mA	1.0	2.0		mW
Peak Wavelength	λ _P	I _f =20mA	670	690	710	nm
Spectral Radiation Bandwidth	Δλ	I _f =20mA		20		nm
Rise Time	t _r	I _f =20mA		80		ns
Full time	t _f	I _f =20mA		80		ns

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

[Unit : um]

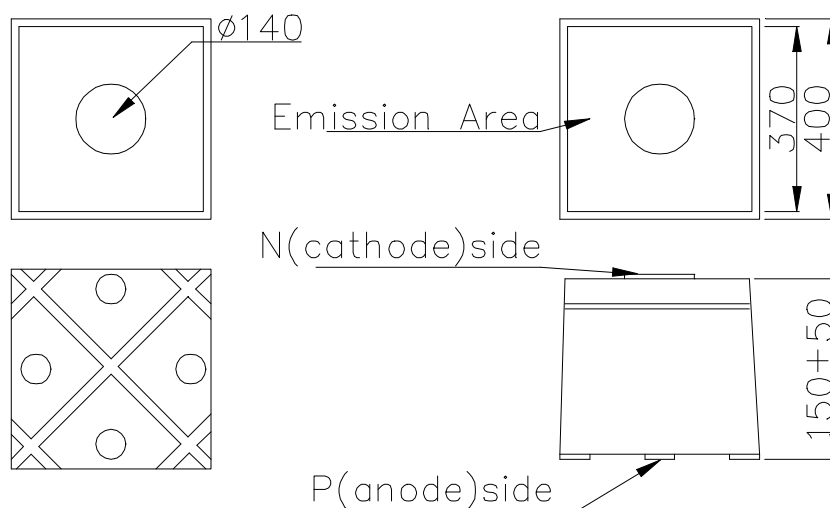


Fig.1 Electrode Pattern

Fig.2 Chip size and Emission Area