

**C1050G-30**

Near Infrared LED CHIP

<Specifications>

Commodity Type and Physical Characteristics	
Material	InGaAs/GaAs
Top Side P(anode)side	Au Alloy
Bottom Side N(cathode)side	Au Alloy
Electrode Pattern	Fig.1
Chip Size	Fig.2
Chip Thickness	Fig.2
Emission Area	Fig.2

Electro-Optical Characteristics [Ta=25°C]						
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	Vf	IF=50mA		1.2	1.4	V
Reverse Current	IR	VR=3V			10	uA
Power Intensity	PO	IF=50mA	5	10		mW
Peak Wavelength	$\lambda P$	IF=50mA		1050		nm
Spectral Radiation Bandwidth	$\Delta\lambda$	IF=50mA		45		nm
Rise Time	tr	IF=50mA		40		ns
Fall Time	tf	IF=50mA		30		ns

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

[Unit:um]

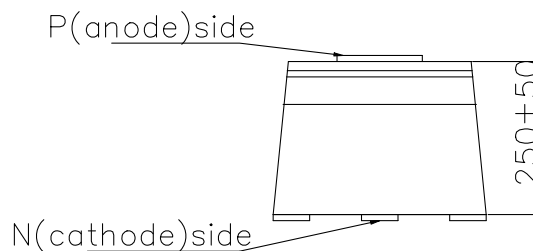
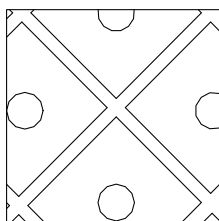
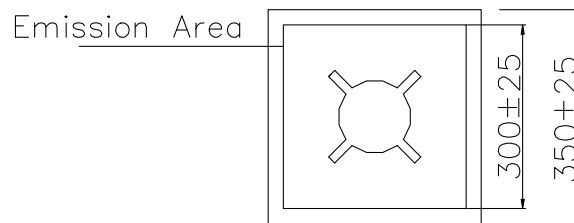
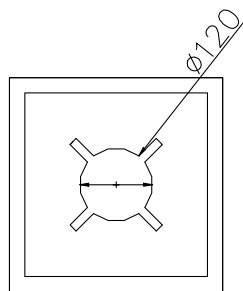


Fig.1 Electrode Pattern

Fig.2 Chip Size and Emission Area