Marubeni

SPECIFICATION OF LED CHIP

C700-40

[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	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	λP	If=20mA		700		nm
Spectral Radiation Bandwidth	Δλ	If=20mA		20		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]

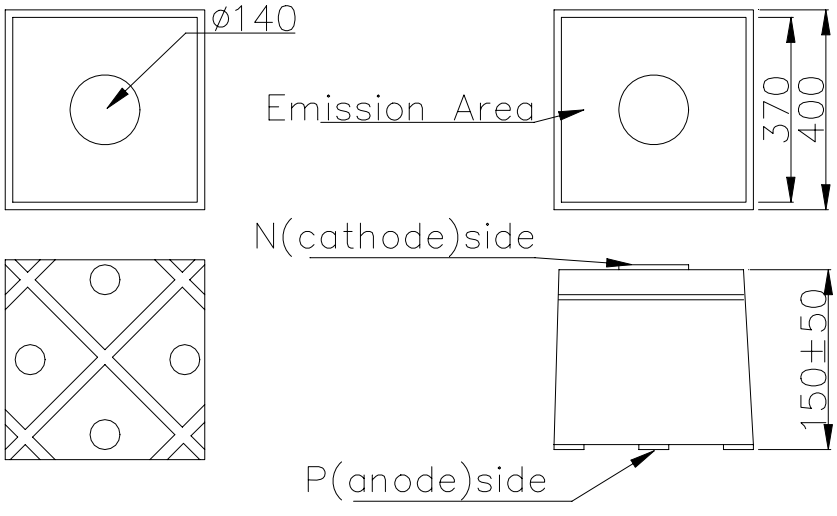

Fig.1 Electrode Pattern Fig.2 Chip size and Emission Area

Marubeni America Corporation

3945 Freedom Circle, Suite 1000, Santa Clara, CA 95054

408-330-0650 (Ext. 323), 408-330-0655 (Fax), sales@tech-led.com