



**PARA LIGHT ELECTRONICS CO., LTD.**

4F, No.1, Lane 93, Chien Yi Road, Chung Ho City, Taipei, Taiwan, R.O.C.

Tel: 886-2-2225-3733

Fax: 886-2-2225-4800

E-mail: [para@para.com.tw](mailto:para@para.com.tw)

<http://www.para.com.tw>

DATE SHEET

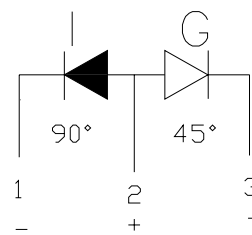
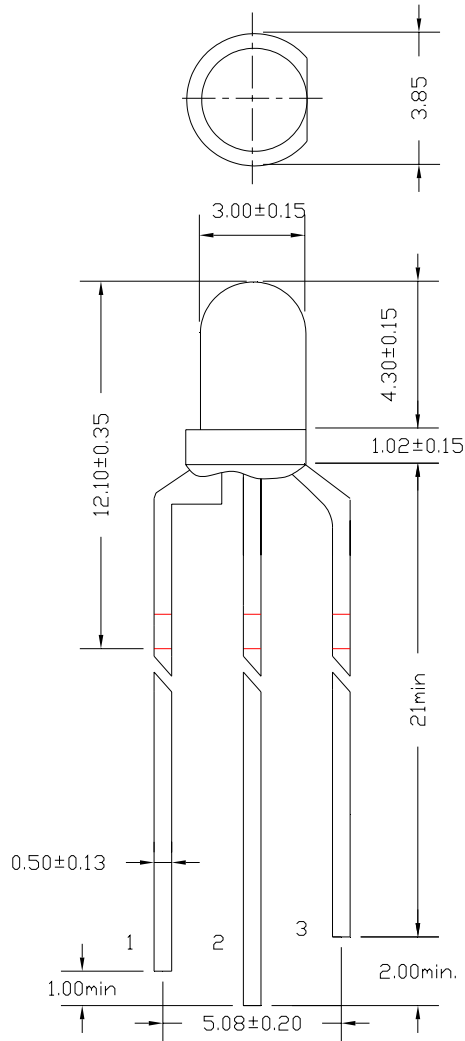
PART NO : L-319IGW-CA-SS

REV :     A/3    

CUSTOMER'S APPROVAL: \_\_\_\_\_

DCC: \_\_\_\_\_

PACKAGE DIMENSIONS



Notes:

- 1、 All dimension are in millimeter.
- 2、 Tolerance is  $\pm 0.50$ mm unless otherwise specified.



3.0 mm DIA LED LAMP

L-319IGW-CA-SS

REV :A/3

### FEATURES

- \* 3.0mm DIA LED LAMP.
- \* LOW POWER CONSUMPTION.
- \* LONG LIFE SOLID STATE RELIABILITY
- \* Pb FREE PRODUCTS

### CHIP MATERIALS

- \* Dice Material : Red:GaAlAs &Green: GaP
- \* Light Color : Red&Green
- \* Lens Color : White Diffused

ABSOLUTE MAXIMUM RATING : ( Ta=25 )

SYMBOL	DESCRIPTION	RED	GREEN	UNIT
PD	Power Dissipation Per Chip	75	75	mW
VR	Reverse Voltage Per Chip	5	5	V
IF	Average Forward Current Per Chip	30	30	mA
IPF	Peak Forward Current Per Chip (Duty=0.1,1KHZ)	100	100	mA
-	Derating Linear From 25°C Per Chip	0.4	0.4	mA/°C
Topr	Operating Temperature Range	-40°C to 85°C		
Tstg	Storage Temperature Range	-40°C to 85°C		

ELECTRO-OPTICAL CHARACTERISTICS : ( Ta=25 )

SYMBOL	PARAMETER	TEST CONDITION	I			G			UNIT
			MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	
VF	Forward Voltage	IF=20mA		1.8	2.3		2.2	2.8	v
IR	Reverse Current	VR=5V			100			100	μA
λD	Dominant Wavelength	IF=20mA		645			571		nm
Δλ	Spectral Line Half - Width	IF=20mA		20			20		nm
2θ1/2	Half Intensity Angle	IF=20mA		50			50		deg
IV	Luminous Intensity	IF=20mA		45			40		mcd

DRAWING NO : DS-3 c -0034

DATE : 2008-08-28

Page : 3

