

# PRODUCT SPECIFICATION

DATE : 05/27/2004

<b>cosmo</b> ELECTRONICS CORPORATION	LAMP LED:	NO. 60L51009	REV.
	<b>KLR05CGX</b>	SHEET 1 OF 1	1

**KLR05CGX**

**FEATURE:**

- SUPER LUMINOSITY PRUE-GREEN LED (InGaN/Sapphire).
- WATER CLEAR PACKAGE.
- 5 mm ALL RESIN MOLD.
- WIDE VIEWING ANGLE.

**ABSOLUTE MAXIMUM RATING: Ta=25°C**

- POWER DISSIPATION..... 120mW
- PEAK FORWARD CURRENT..... 150mA \*
- CONTINUOUS FORWARD CURRENT..... 30mA
- DERATING FACTOR..... 0.40mA/°C
- REVERSE VOLTAGE..... 5V
- OPERATING TEMPERATURE..... -25 TO +85°C
- STORAGE TEMPERATURE..... -35 TO +100°C
- SOLDERING TEMPERATURE..... 260°C / 5sec

\*Note Duty Ratio=1/16 , Pulse Width=0.1ms

**ABSOLUTE OPTICAL CHARACTERISTIC Ta=25°C**

PARAMETER		SYMBOL	MIN	TYP	MAX	UNIT
Forward Voltage	If=20mA	V <sub>F</sub>		3.6	3.9	V
Luminous Intensity	If=20mA	I <sub>v</sub>	3000	4300		mcd
Dominant Wavelength	If=20mA	λ <sub>d</sub>		525		nm
Spectrum Radiation Bandwidth	If=20mA	Δλ		20		nm
Reverse Current	V <sub>R</sub> =4V	I <sub>R</sub>			100	μA
Viewing Angle		2θ <sub>1/2</sub>		15		deg

**OUTLINE DIMENSIONS Unit (mm) Tolerance (±0.25)**

