

# PRODUCT SPECIFICATION

DATE : 05/27/2004

<b>cosmo</b> ELECTRONICS CORPORATION	LAMP LED:	NO. 60L50004	REV.
	<b>KLR03UDX</b>	SHEET 1 OF 1	1

**KLR03UDX**

**FEATURE:**

- SUPER LUMINOSITY ORANGE-RED LED (AlInGaP/GaAs).
- WATER CLEAR PACKAGE.
- 3.8 mm ALL RESIN MOLD.
- WIDE VIEWING ANGLE.
- UV RESISTENT EPOXY.

**ABSOLUTE MAXIMUM RATING: Ta=25°C**

- POWER DISSIPATION..... 120mW
- PEAK FORWARD CURRENT..... 100mA \*
- CONTINUOUS FORWARD CURRENT..... 50mA
- 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>		2.0	2.4	V
Luminous Intensity	If=20mA	I <sub>v</sub>	2500		7200	mcd
Dominant Wavelength	If=20mA	λ <sub>d</sub>		625		nm
Spectrum Radiation Bandwidth	If=20mA	Δλ		20		nm
Reverse Current	V <sub>R</sub> =5V	I <sub>R</sub>	10			μA
Viewing Angle		2θ <sub>1/2</sub>		10		deg

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

