

PRODUCT SPECIFICATION

DATE : 05/27/2004

cosmo ELECTRONICS CORPORATION	LAMP LED:	NO. 60L51002	REV.
	KLR05UYG	SHEET 1 OF 1	1

KLR05UYG

FEATURE:

- SUPER LUMINOSITY YELLOW-GREEN LED (AlInGaP/GaAs).
- WATER CLEAR PACKAGE.
- 5 mm ALL RESIN MOLD.
- WIDE VIEWING ANGLE.
- UV RESISTENT EPOXY.

ABSOLUTE MAXIMUM RATING: Ta=25°C

- POWER DISSIPATION..... 130mW
- PEAK FORWARD CURRENT..... 100mA *
- CONTINUOUS FORWARD CURRENT..... 50mA
- DERATING FACTOR..... 0.67mA/°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 _F		2.0	2.6	V
Luminous Intensity	If=20mA	I _v		1150		mcd
Peak Emission Wavelength	If=20mA	λ _d		570		nm
Spectrum Radiation Bandwidth	If=20mA	Δλ		20		nm
Reverse Current	V _R =5V	I _R			10	μA
Viewing Angle		2θ _{1/2}		15		deg

OUTLINE DIMENSIONS Unit (mm) Tolerance (±0.25)

