

PRODUCT SPECIFICATION

DATE : 05/27/2004

cosmo ELECTRONICS CORPORATION	LAMP LED: KLR05USD	NO. 60L51003	REV. 1
		SHEET 1 OF 1	

KLR05USD

FEATURE:

- SUPER LUMINOSITY SUNSET ORANGE LED CHIP SOURCES FROM OSRAM.
- WATER CLEAR PACKAGE.
- 5 mm ALL RESIN MOLD.
- WIDE VIEWING ANGLE.
- UV RESISTENT EPOXY.

ABSOLUTE MAXIMUM RATING: Ta=25°C

- POWER DISSIPATION..... 110mW
- 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	2.2	V
Luminous Intensity	If=20mA	I _v	1900		5500	mcd
Peak Emission Wavelength	If=20mA	λ _d		605		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)

