



# LY1153-XX

# 20.0MM ROUND LED LAMP

## Features

- \* LOW CURRENT REQUIREMENTS
- \* HIGH LIGHT OUTPUT
- \* RELIABLE AND RUGGED
- \* IC COMPATIBLE

## Absolute Maximum Ratings at T<sub>A</sub>=25°C

REVERSE VOLTAGE PER LED CHIP (<100μ A).....	4.0V
D.C. FORWARD CURRENT PER LED CHIP .....	30mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH) PER LED CHIP .....	100mA
OPERATING TEMPERATURE RANGE.....	-25°C TO +85°C
STORAGE TEMPERATURE RANGE.....	-25°C TO +100°C
LEAD SOLDERING TEMP. (1.6mm FROM BODY).....	260°C FOR 5

## Electrical/optical characteristics at T<sub>A</sub>=25°C

PART NUMBER		LED CHIP		LEN'S COLOR		PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @40mA(V)		LUMINOUS INTENSITY @40mA(mcd)		VIEW ANGLE 2θ <sup>1/2</sup> (deg)
		MATERIAL	EMITTING COLOR				TYP.	MAX.	MIN.	TYP.	
LY1153-71M1NRCW	LY1153-72M1NWCW	GaAlAs ON GaAs	M1 RED	R.D	W.D	660	5.1	6.6	198	330	110
LY1153-71NRCW	LY1153-72NWCW	GaAlAs ON GaAs	SB RED	R.D	W.D	660	5.1	6.6	330	550	110
LY1153-71URNRCW	LY1153-72URNWCW	GaAlAs ON GaAlAs	UR RED	R.D	W.D	660	5.7	7.5	693	1155	110

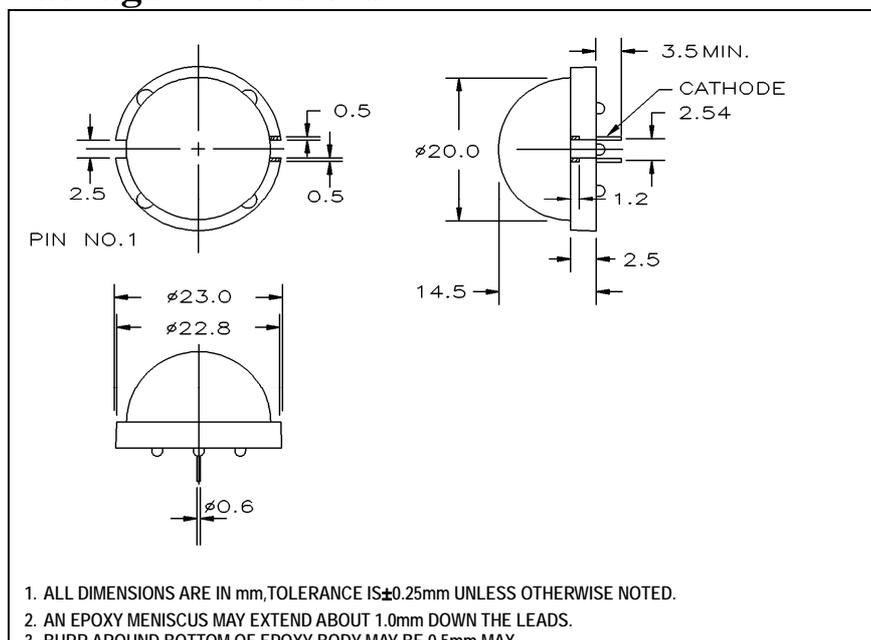
(1) LEN'S COLOR

R.D.....RED DIFFUSED  
W.D.....WHITE DIFFUSED

(2) SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

(3) ALL ABOVE COMPONENTS ARE CONSIDERED . DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED .

## Package Dimensions



## Radiation Pattern

