



LT183X-81-M1

5.0MM ROUND LAMP

Features

- * ULTRABRIGHT YELLOW
- * HIGH LIGHT OUTPUT
- * RELIABLE AND RUGGEN
- * IC COMPATIBLE

Jameco Part Number
152792

Absolute Maximum Ratings at T_A=25°C

REVERSE VOLTAGE (<100 μA).....	4.0V
D.C. FORWARD CURRENT	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH).....	100 mA
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 SEC.

Electrical/optical characteristics at T_A=25°C

PART NUMBER	LED CHIP		LEN'S COLOR	PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE 2 θ _{1/2} (deg)
	MATERIAL	EMITTING COLOR			TYP.	MAX.	MIN.	TYP.	
LT1831-81-M1	InGaAlP ON GaAs	YELLOW	Y.D.	593	2.1	2.4	175	315	41
LT1832-81-M1	InGaAlP ON GaAs	YELLOW	W.D.	593	2.1	2.4	175	315	41
LT1833-81-M1	InGaAlP ON GaAs	YELLOW	W.C.	593	2.1	2.4	570	1040	19
LT1834-81-M1	InGaAlP ON GaAs	YELLOW	Y.C.	593	2.1	2.4	570	1040	19

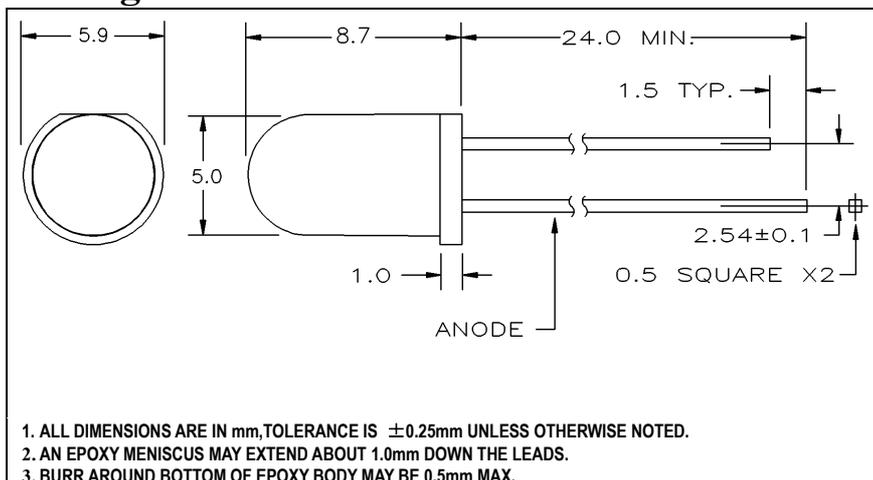
(1) LEN'S COLOR

- Y.D....YELLOW DIFFUSED
- W.D....WHITE DIFFUSED
- Y.C....YELLOW CLEAR
- W.C....WATER CLEAR

(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

