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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 $T_A=25^{\circ}\text{C}$

REVERSE VOLTAGE ($<100\ \mu\text{A}$).....	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 $T_A=25^{\circ}\text{C}$

PART NUMBER	LED CHIP		LEN'S COLOR	PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (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

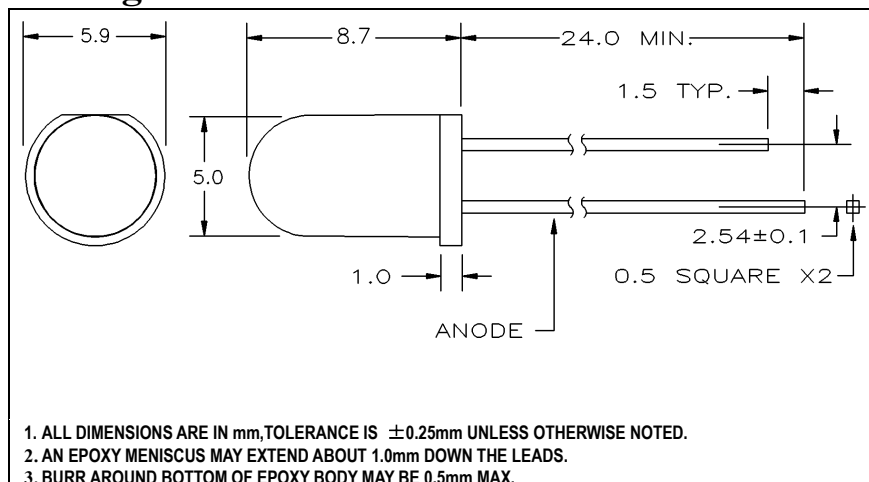
(1) LEN'S COLOR

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

