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Jameco Part Number 637183

Feature

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

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

REVERSE VOLTAGE (<100 μ A).....	17.0 V
D.C. FORWARD CURRENT.....	30mA
PULSE CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH).....	100 mA
OPERATING TEMPERATURE RANGE.....	-25 $^\circ\text{C}$ TO +80 $^\circ\text{C}$
STORAGE TEMPERATURE RANGE.....	-25 $^\circ\text{C}$ TO +80 $^\circ\text{C}$
LEAD SOLDERING TEMP. (1.6mm FROM BODY).....	260 $^\circ\text{C}$ FOR 5 SEC.

Electrical/optical characteristics at $T_A=25^\circ\text{C}$

PART NUMBER	LED CHIP		LENS COLOR	PEAK WAVELENGTH @12 mA (nm)	FORWARD VOLTAGE		LUMINOUS INTENSITY @12V (mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
	MATERIAL	EMITTING COLOR			TYP.	MAX.	MIN.	TYP.	
UT2U1PR-H113-R801-W05	GaP	RED	R.D.	700	12	15	1.0	2.0	40
UT2U1G-H113-R801-W05	GaP	GREEN	G.D.	572	12	15	5.0	8.0	40
UT2U1Y-H113-R801-W05	GaAsP	YELLOW	Y.D.	589	12	15	4.0	7.0	40
UT2U1O-H113-R801-W05	GaAsP	ORANGE	O.D.	630	12	15	6.0	10.0	40
UT2U1HR-H113-R801-W05	GaAsP	RED	R.D.	630	12	15	6.0	10.0	40

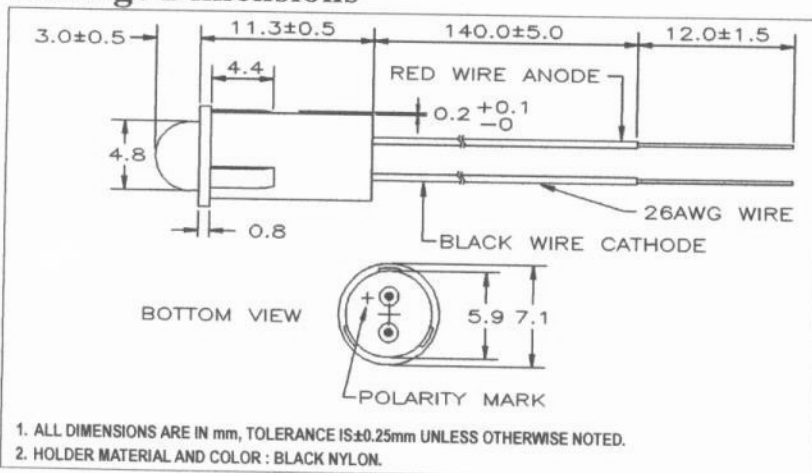
(1) LENS COLOR

R.D.....RED DIFFUSED
G.D.....GREEN DIFFUSED
Y.D.....YELLOW DIFFUSED
O.D.....ORANGE 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

