TENROD

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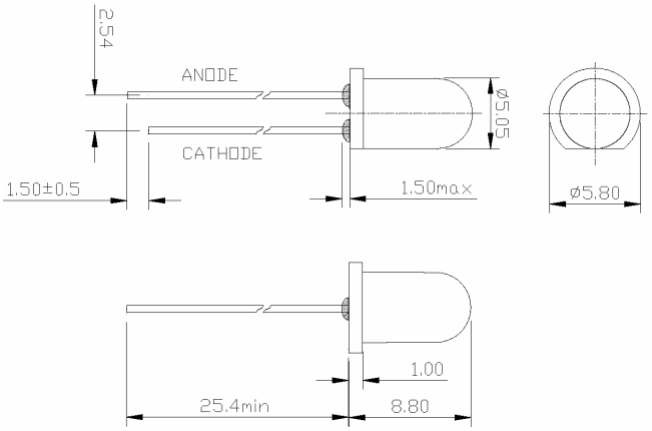
MEGA LEDs

SPEC. **TKP31L51YC2**

Yellow 9000 mCd

Ø 5mm Round



Notes:
1. All dimensions are in millimeters
2. Tolerance ±0.2 unless otherwise noted.
3. An epoxy meniscus may extend about 1.5mm down the leads.
4. Burr around bottom of epoxy may be 0.5mm max

Electrical and Optical Characteristics

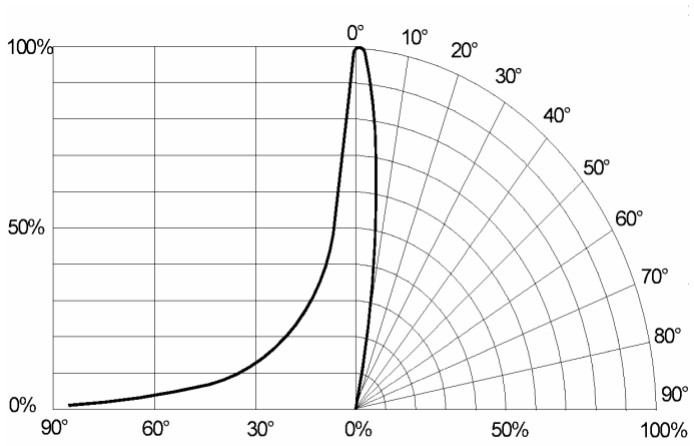
I_F = 20 mA (T_a = 25°C)

Viewing Angle	Dominant Wavelength[1]	Luminous Intensity[2] (mCd)		DC Forward Voltage[3] (V)	
$2\theta_{1/2}$	(nm)	Min	Typ	Typ	Max
15°	590	4360	9000	2.4	2.6

Absolute Maximum Ratings (Ta=25°C)

Power Dissipation	Forward Current(DC)	Peak Forward Current[4]	Operation Temperature	Storage Temperature	Lead Soldering Temperature
P_D (mW)	I_F (mA)	I_F (mA)	T_{opr} (°C)	T_{stg} (°C)	T_{sol} (°C)
120	25	100	-20 ~ +75	-30 ~ +80	Max.260 °C for 5 sec Max. (3mm from the base of the epoxy bulb)

Notes:
1. Tolerance ± 1.0 nm
2. Tolerance ± 15%
   Intensity ranks: W (4360-6105), X (6105-8550), Y (8550-11970 mCd), Z (11970-16760 mCd)
3. Tolerance ± 0.1V
4. Pulse width ≤ 0.1msec duty ≤ 1/10
5. Viewing angle



Relative Luminous Intensity vs.Radiation Angle