5mm Round Lamp LED

Features



QRLHX1R5

- Popular T-1 ¾ colorless 5mm package
- Choice of various viewing angles
- Available on tape and reel
- Reliable and robust
- RoHS compliance

Applications

- TV Set
- Monitor
- Telephone
- Computer

Descriptions

- The series is specially designed for applications require higher brightness than that achievable with standard lamp.
- The LED lamps are available with different colors, intensities, and epoxy colors, etc.

Device Selection Guide

Part No.	Chip		Lens Color
	Material	Emitted Color	
TLH-X1R5-MBKK	AlGaInP	Yellow	Water Clear

Absolute Maximum Ratings (Tamb=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	5	V
Average Forward Current	I_F	30	mA
Peak Forward Current (Pulse Width<=10ms, Duty 1/10 @1KHz)	I_{FP}	100	mA
Power Dissipation	P_d	72	mW
Soldering Temperature	T_{sol}	260 (for 5 seconds)	°C
Operating Temperature	T_{opr}	-40 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C

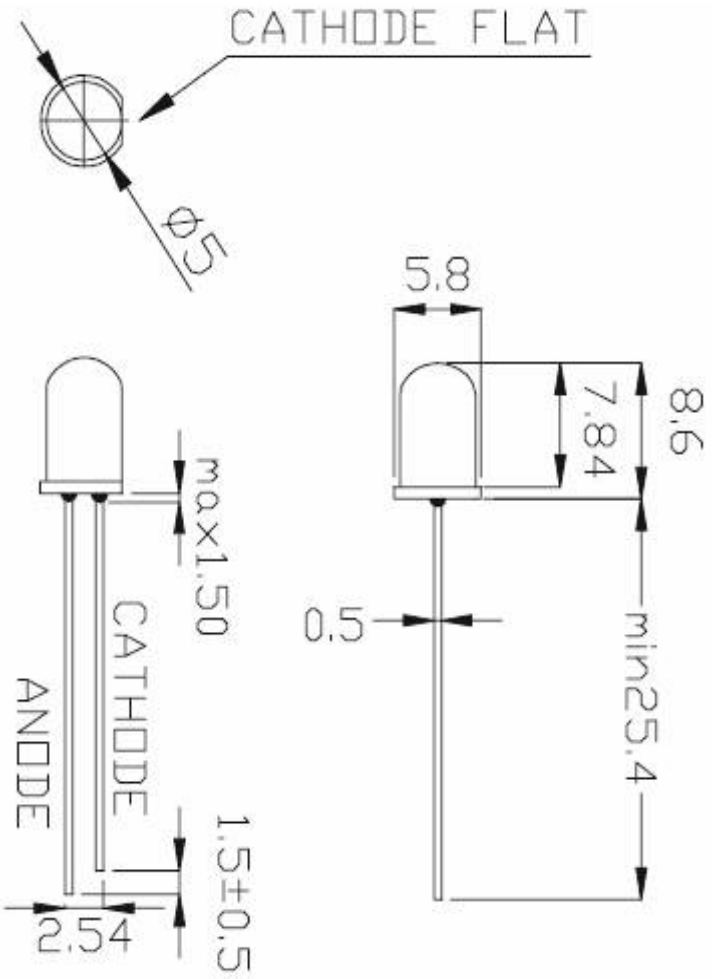
Electro-Optical Characteristics (Tamb=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I_V	1285	1950	-----	mcd	IF =20mA
Viewing Angle	$2\theta_{1/2}$	-----	45	-----	deg	IF =20mA
Dominant wavelength	λ_d	-----	589	-----	nm	
Forward Voltage	V_F	-----	2.0	2.4	V	
Reverse Current	I_R	-----	-----	10	μA	VR=5V

Notes:

1. Tolerance of Luminous Intensity ±10%
2. Tolerance of Dominant Wavelength ±1nm
3. Tolerance of Forward Voltage ±0.1V

Package Dimensions (In mm)



Note:

1. All dimensions are in millimeter
2. Unspecified tolerance: ±0.20mm
3. Protruded resin under bottom surface of epoxy is 1.5mm max.
4. Lead spacing is measured where the leads emerge from the package
5. Specifications are subject to be changed without notice

Ordering Information

TL H –X 1 R 5 –MBKK- 88-TR70

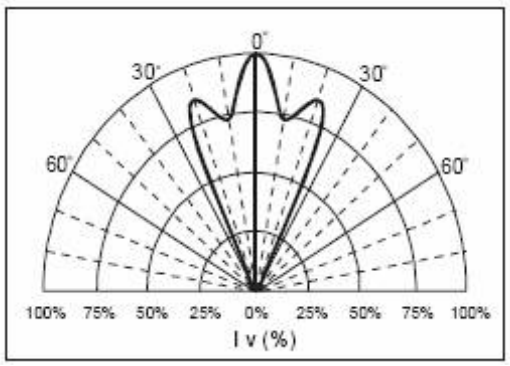
- Lead Free Tape & Reel 7=7″ reel 0=3k per reel
- Factory location code
- Code of Frame Structure
- Size in mm
- Round Lamp
- Water Clear
- Super Yellow Color
- Super Bright
- Taitron LED Lamp

Bin Range of Luminous Intensity

Bin	Min	Max	Unit	Condition
S	1285	1800	mcd	IF =20mA
T	1800	2520		
U*	2520	3530		

Note: [*] Bin with less distribution

Beam Pattern



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