

PRELIMINARY SPEC

Part Number: L-7700C4SEC-H



Technical Data

Features

- * HIGH LUMINANCE OUTPUT.
- * DESIGN FOR HIGH CURRENT OPERATION.
- * SOLDERLESS MOUNTING TECHNIQUE.
- * LOW POWER CONSUMPTION.
- * LOW THERMAL RESISTANCE.
- * LOW PROFILE.
- * PACKAGED IN TUBES FOR USE WITH AUTOMATIC INSERTION EQUIPMENT.
- * RoHS COMPLIANT.

Benefits

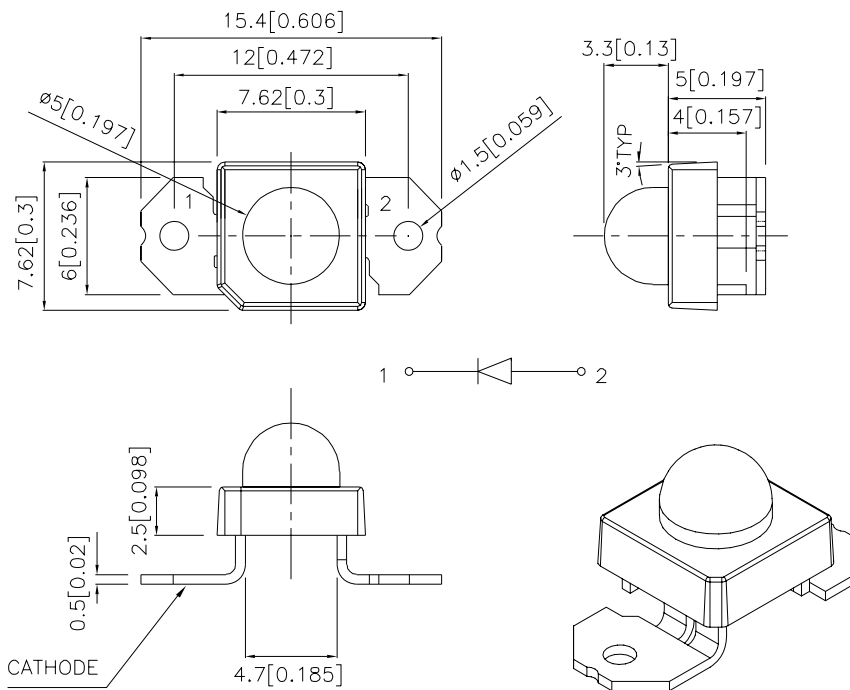
- *Rugged Lighting Products.
- *Electricity savings.
- *Maintenance savings.
- *Environmental Conformance.

Typical Applications

- *Automotive Exterior Lighting.
- *Solid State Lighting and Signaling.



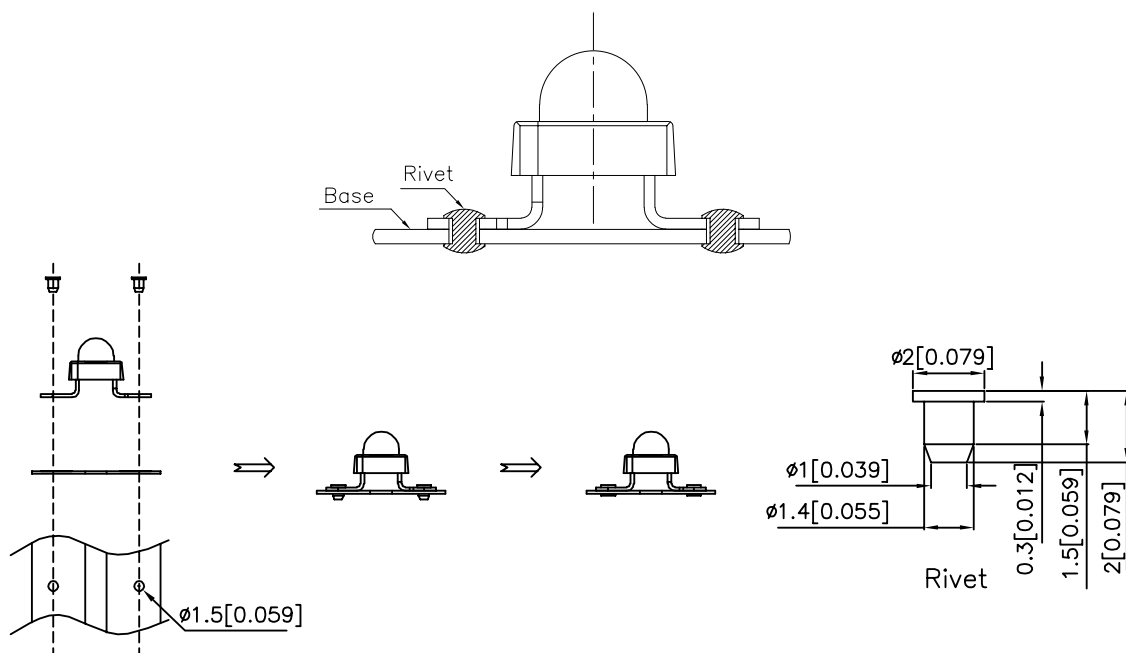
Outline Drawings



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.

PATENT PENDING



Absolute Maximum Ratings at TA=25°C

PARAMETER	SE-H	UNITS
DC Forward Current	70	mA
Power dissipation	217	mW
Reverse Voltage	5	V
Operating Temperature	-40 To +85	°C
Storage Temperature	-55 To +85	°C

Selection Guide

Part No.	LED COLOR	Iv(cd) ^[1] @70mA		Viewing Angle ^[2]
		Min.	Typ.	2θ1/2 Typ.
L-7700C4SEC-H	HYPER ORANGE (InGaAlP)	6.7	12	30°

Notes:

- Luminous intensity is measured with an integrating sphere after the device has stabilized; Luminous intensity / luminous flux: +/-15%.
- θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Optical Characteristics at TA=25°C

IF=70mA Rθj-a=200°C/W

DEVICE	PEAK WAVELENGTH	DOMINANT ^[1] WAVELENGTH	SPECTRAL LINE WAVELENGTH
TYPE	λPEAK (nm) TYP.	λDOM (nm) TYP.	Δλ1/2(nm) TYP.
L-7700C4SEC-H	640	630	25

Note:

- The dominant wavelength is derived from the CIE Chromaticity Diagram and represents the perceived color of the device; Wavelength: +/-1nm.

Electrical Characteristics at TA=25°C

DEVICE	FORWARD VOLTAGE VF(VOLTS) ^[1]			REVERSE CURRENT	CAPACITANCE	THERMAL
	@ IF=70mA			IR (uA) @ VR=5V	C (pF) @ VF=0V F=1MHZ	Rθj-pin °C/W
TYPE	MIN.	TYP.	MAX.	MAX.	TYP.	TYP.
L-7700C4SEC-H	2.5	2.7	3.1	10	27	125

Note:

- Forward Voltage: +/-0.1V.

Figures

