



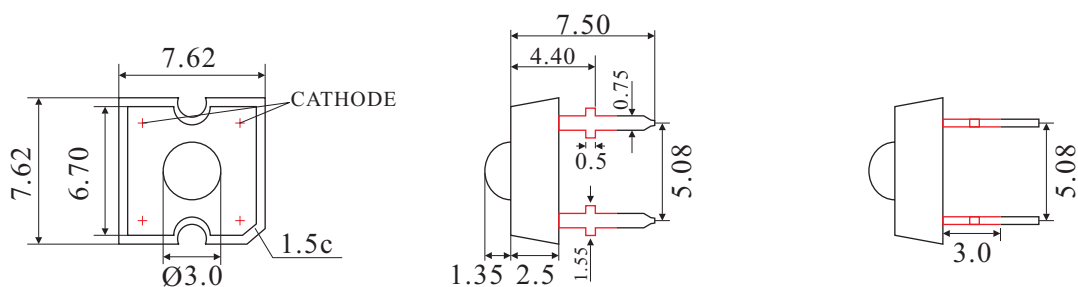
TOYO LED ELECTRONICS LIMITED

<http://www.toyo-led.com>

e-mail: sales@toyo-led.com

PACKAGE DIMENSION

TY-SF7623UYC2



Absolute Maximum Ratings

@T_A = 25 °C

| Parameter | Symbol | Maximum Rating | Unit |
|--|---|----------------|------|
| Power Dissipation | P _D | 100 | mW |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | I _{FP} | 100 | mA |
| Continuous Forward Current | I _F | 25 | mA |
| Reverse Voltage | V _R | 5 | V |
| Operating Temperature Range | T _{opr} | -20 ~ +75 | °C |
| Storage Temperature Range | T _{stg} | -30 ~ +80 | °C |
| Lead Soldering Temperature | Max. 260 °C for 5 seconds Max. (3mm from the base of the epoxy bulb) | | |

Optical-Electrical Characteristic

@T_A = 25 °C

| Parameter | Test Condition | Symbol | Min | Type | Max | Unit |
|---------------------|------------------------|-------------------|------|------|------|------|
| Luminous Intensity | I _F = 20 mA | I _v | 1000 | 1400 | 2000 | mcd |
| Peak Wavelength | I _F = 20 mA | λ _p | - | 595 | - | nm |
| Dominant Wavelength | I _F = 20 mA | λ _d | 585 | 590 | 593 | nm |
| Forward Voltage | I _F = 20 mA | V _F | 1.80 | 2.20 | 2.40 | V |
| Reverse Current | V _R = 5 V | I _R | - | - | 10 | μA |
| Spectral Bandwidth | I _F = 20 mA | Δλ | - | 20 | - | nm |
| View Angle | I _F = 20 mA | 2θ _{1/2} | - | 90 | - | deg. |

Notes:

1. All dimension are in millimeters (inches). Tolerance is ±0.25mm (0.01").
2. Luminous intensity measurement allowance is ±10%.
3. Protruded resin under flange is 1.0mm maximum.
4. Specifications are subject to change without notice.
5. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
6. θ_{1/2} is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
7. The dominant wavelength(λ_d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.