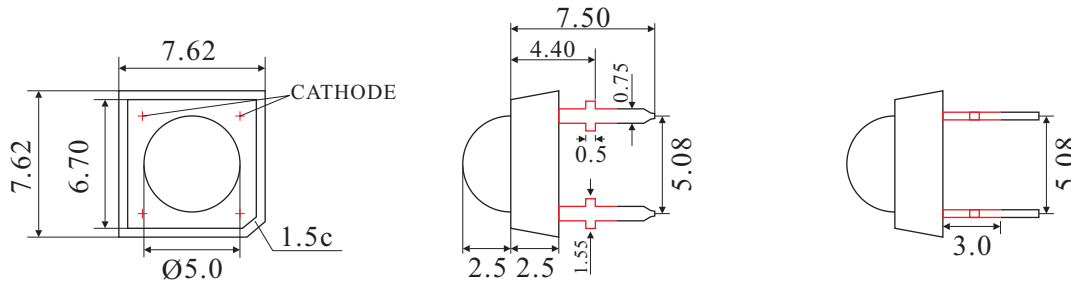




## PACKAGE DIMENSION

**TY-SF7625UYC1**



### Absolute Maximum Ratings

@T<sub>A</sub> = 25 °C

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P <sub>D</sub>	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	I <sub>FP</sub>	100	mA
Continuous Forward Current	I <sub>F</sub>	25	mA
Reverse Voltage	V <sub>R</sub>	5	V
Operating Temperature Range	T <sub>opr</sub>	-20 ~ +75	°C
Storage Temperature Range	T <sub>stg</sub>	-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<sub>A</sub> = 25 °C

Parameter	Test Condition	Symbol	Min	Type	Max	Unit
Luminous Intensity	I <sub>F</sub> = 20 mA	I <sub>v</sub>	1000	1500	2000	mcd
Peak Wavelength	I <sub>F</sub> = 20 mA	λ <sub>p</sub>	-	595	-	nm
Dominant Wavelength	I <sub>F</sub> = 20 mA	λ <sub>d</sub>	585	590	593	nm
Forward Voltage	I <sub>F</sub> = 20 mA	V <sub>F</sub>	1.80	2.20	2.40	V
Reverse Current	V <sub>R</sub> = 5 V	I <sub>R</sub>	-	-	10	μA
Spectral Bandwidth	I <sub>F</sub> = 20 mA	Δλ	-	11	-	nm
View Angle	I <sub>F</sub> = 20 mA	2θ <sub>½</sub>	-	70	-	deg.

Notes:

- All dimension are in millimeters (inches). Tolerance is ±0.25mm (0.01").
- Luminous intensity measurement allowance is ±10%.
- Protruded resin under flange is 1.0mm maximum.
- Specifications are subject to change without notice.
- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- θ<sub>½</sub> is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- The dominant wavelength(λ<sub>d</sub>) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.