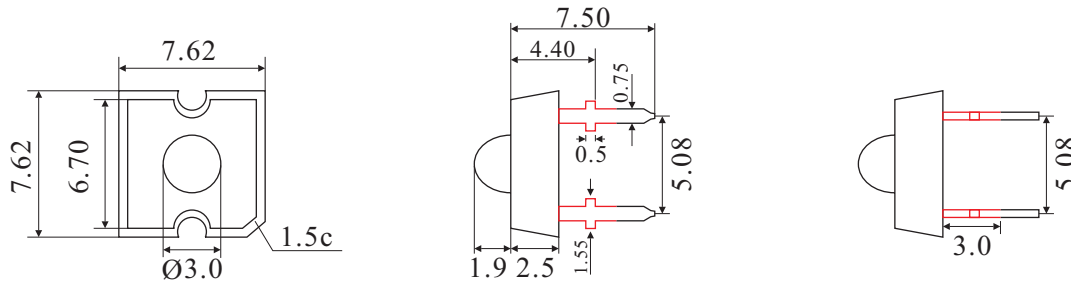




PACKAGE DIMENSION

TY-SF7623URC1

(OLD P/N: TY-106U4F3)



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	700	1000	1500	mcd
Peak Wavelength	I _F = 20 mA	λ _p	-	632	-	nm
Dominant Wavelength	I _F = 20 mA	λ _d	620	625	630	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 _½	-	45	-	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_½ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- The dominant wavelength(λ_d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.