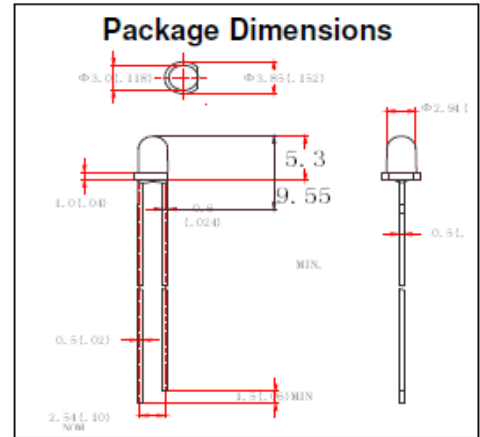


## Features

- Standard T-1 Diameter Type Package.
- General Purpose Leads
- Reliable and Rugged

## Absolute Maximum Ratings at Ta=25°C

Parameter	MAX.	Unit
Power Dissipation	100	mW
Peak Forward Current ( $\leq 1/10$ Duty Cycle, 0.1ms Pulse Wide)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +80°C	
Storage Temperature Range	-40°C to +80°C	
Lead Soldering Temperature [ 4mm(.157") From Body]	260°C for 3 Seconds	



## Electrical Optical Characteristics at Ta=25°C

Part Number	Lens color	Source Color	Luminous Intensity Iv / mcd at If = 20mA (Note 5)			Forward Voltage / V at If = 20mA			Viewing Angle / Deg (Note 6)
			Min.	Typ.	Max.	Min.	Typ.	Max.	
WW03A3SWH4-N2	Water Clear	White	3700	4900	---	2.8	---	3.6	25°
Reverse Voltage = 5V					Reverse Current = 50µA				

## Notes:

1. All dimensions are in millimeter.
2. Tolerance of measurement is  $\pm 0.25\text{mm}(.01")$  unless others otherwise noted.
3. Protruded resin under flanges is 1.0mm(0.4") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve. Tolerance of measurement of luminous intensity is  $\pm 15\%$
6.  $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity. It use many parameters that correspond to the CIE 1931 2° Tolerance of measurement of angle is  $\pm 10$  degree
7. Caution in ESD: Static Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.
8. X, Y, and Z are CIE1931 2° values of Red, Green and Blue content of the measurement. Color Coordinates Measurement allowance is  $\pm 0.01$
9. Specifications are subject to change without notice.