



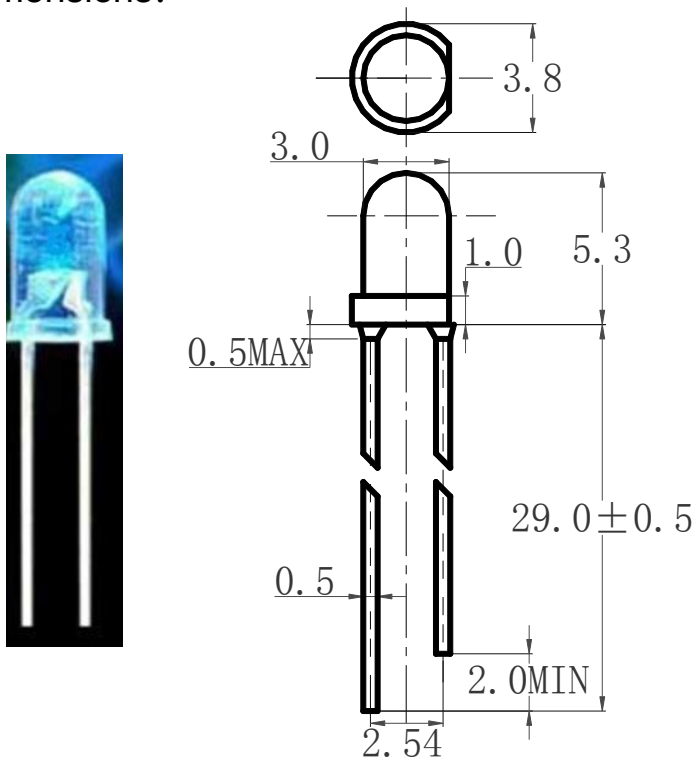
## DONGGUAN NANJING ELECTRONICS LTD.,

Long life InGaAIP LED (Transparent Body Emits Blue Light)

### Features:

- ◆ Standard T-1 diameter package
- ◆ General purpose leads
- ◆ Reliable and rugged

### Package Dimensions:



Part No.	Chip Material	Lens Color	Source Color
NJ-DIP-03WTBY1	InGaAIP	Water Clear	Blue

### Notes

- 1、all dimensions in mm tolerance is  $\pm 0.2$ mm unless otherwise noted.
- 2、an epoxy meniscus may extend about 1.5mm down the leads.
- 3、burr around bottom of epoxy may be 0.5mm max.



**Absolute Maximum Ratings (Ta = 25°C)**

Parameter	Symbol	Absolute maximum Rating	Unit
Max Power Dissipation	P <sub>M</sub>	100	mW
Max Continuous Forward Current	I <sub>FM</sub>	30	mA
Max Reverse Voltage	V <sub>RM</sub>	5	V
Peak Forward Current	I <sub>FP</sub>	75	mA
Lead Soldering Temperature/Time	T <sub>SOL</sub>	260/≤3S	°C/S
Operating Temperature Range	T <sub>OPR</sub>	-25~+85	°C
Storage Temperature Range	T <sub>STR</sub>	-30~+100	°C

**Typical Electrical & Optical Characteristics(Ta=25 ° )**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I <sub>v</sub>	1000	2000	4000	mcd	I <sub>F</sub> =20mA
Viewing Angle	2Ø1/2	/	35	/	deg	I <sub>F</sub> =20mA
Peak Wave Length	λ <sub>p</sub>	/	470	/	nm	I <sub>F</sub> =20mA
Dominant Wave Length	λ <sub>d</sub>	450	465	475	nm	I <sub>F</sub> =20mA
Spectral Width at half height	Δ λ	/	30	/	nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>	3.0	3.2	3.6	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>	/	/	≤30	μA	V <sub>R</sub> =5V

Notes:

- 1、Through aging experiment certificate:This LED at normal work under condition:Then I<sub>F</sub>=20 mA,V<sub>F</sub>=2.5 V, the service life is 3 100,000 hours.
- 2、 Press anti-electrostatic weld an operation(connect a ground of line,wear static electricity wreath and wear a pure cotton finger set).
- 3、 The LED product that our company provide can order to do according to customer's need, the related technique parameter will take place variety, the detailed circumstance please consult with a relevant personnel of my company.