Long life InGaAlP LED (Transparent Body Emits Red Light)

Features:

- ◇ Choice of various color.
- ◇ Available on tape and reel.
- ◇ Reliable and robust.
- ◇ The product itself will remain within RoHS compliant Version.

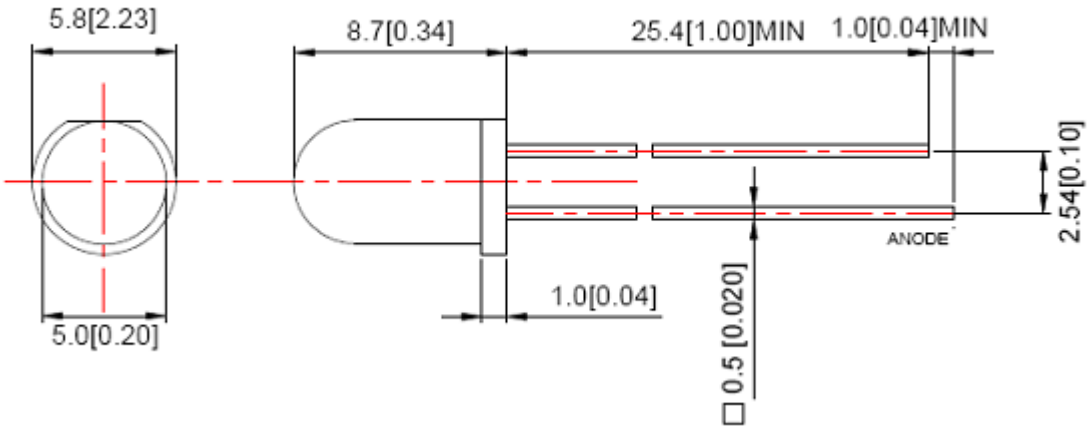
Descriptions:

- ◇ The series is specially designed for applications requiring higher brightness.
- ◇ The LED lamps are available with different colors, intensities.

Applications:

- ◇ TV set.
- ◇ Monitor.
- ◇ Telephone.
- ◇ Computer.

Package Dimension:



Part No.	Chip Material	Lens Color	Source Color
NJ-DIP-05WTRY1	InGaAIP	Water Clear	Red

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 mm (.010”) unless otherwise noted.
3. Protruded resin under flange is 1.00 mm (.039”) max.
4. Specifications are subject to change without notice.

Absolute Maximum Ratings at Ta=25℃

Parameters	Symbol	Max.	Unit
Power Dissipation	PD	600	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFP	100	mA
Forward Current	IF	20	mA
Reverse Voltage	VR	5	V
Operating Temperature Range	Topr	-40℃ to +85℃	
Storage Temperature Range	Tstg	-40℃ to +100℃	
Lead Soldering Temperature [4mm (.157") From Body]	Tsld	260℃ for 5 Seconds	

Electrical Optical Characteristics at Ta=25℃

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	2500	3000	---	mcd	If=20mA
Dominant Wavelength	λd	620	625	630	nm	If=20mA
Peak Emission Wavelength	λp	---	635	---	nm	If=20mA
Spectral Line Half-Width	△λ	---	30	---	nm	If=20mA
Reverse Current	IR	---	---	10	μA	V_R=5V
Viewing Angle	2θ1/2	---	15	---	Deg	If=20mA
Forward Voltage	VF	1.8	2.2	2.4	V	If=20mA

Notes:

1. Luminous Intensity Measurement allowance is ± 10%.
2. θ1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.