



American Opto Plus LED L314UBW

3mm Dia LED LAMP – WHITE DIFFUSED

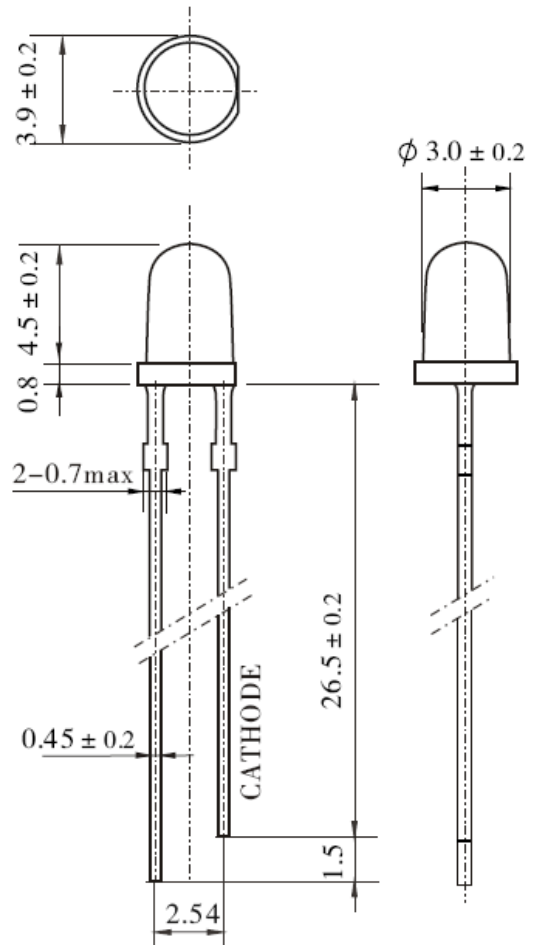
- ◆ 3.0mm DIA LED LAMP
- ◆ I.C. COMPATIBLE
- ◆ LOW POWER CONSUMPTION
- ◆ HIGH LUMINOUS INTENSITY

DESCRIPTION

- Super Bright LED Lamp
- Round Type
- T1 (3mm) diameter
- Lens color: White Diffused
- With Flange
- Solder leads without stand-off
- Compliant with RoHS

FEATURES

- Emitted color: Blue
- High Luminous Intensity
- Technology: InGaN/CaN
- Peak wavelength $\lambda_p = 470\text{nm}$
- Viewing angle: 60°



Tolerance is $\pm 0.25\text{mm}$
Unless Otherwise Specified.

SELECTION GUIDE

Chip Material	Chip Emitted	Lens Color	Viewing Angle
InGaN/CaN	Super Blue	White Diffused	60°



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ABSOLUTE MAXIMUM RATINGS

(Ta=25°C)

Parameter	Symbol	Max Rating	Unit
Power Dissipation	P _D	108	mW
Pulse Forward Current (1/10 Duty Cycle @1KHz)	I _{PF}	100	mA
Continuous Forward Current	I _F	30	mA
Reverse Voltage	V _R	5.0	V
Operating Temperature Range	T _{OPR}	-25~+85	°C
Storage Temperature Range	T _{STG}	-30~+100	°C

Solder temperature 1.6 mm from body for 5 seconds at 260 °C

OPTICAL-ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Luminous Intensity	I _v	I _F = 20mA	340	500		mcd
Forward Voltage	V _F	I _F = 20mA		3.2	3.6	V
Reverse Current	I _R	V _R = 5V			50	uA
Viewing Angle	2θ1/2	I _F = 20mA		60		deg.
Peak Wavelength	λ _P	I _F = 20mA		470		nm
Dominant Wavelength	λ _D	I _F = 20mA		468		nm
Spectrum Radiation Bandwidth	Δλ	I _F = 20mA		30		nm



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TYPICAL ELECTRO-OPTICAL CHARACTERISTIC CURVES

