

Part Number: XLMDKVG29M

T-1(3mm) BI-COLOR INDICATOR LAMP

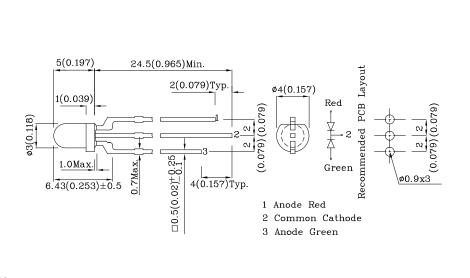
Features

- Radial / Through hole package
- \bullet Reliable & robust
- Low power consumption
- Available on tape and reel
- RoHS Compliant





ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES



Notes:

1. All dimensions are in millimeters (inches).

Package Schematics

2. Tolerance is $\pm 0.25 (0.01")$ unless otherwise noted.

3. Specifications are subject to change without notice.

Absolute Maximum Ratings (T _A =25°C)		Red (AlGaInP)Green (AlGaInP)Unit		Operating Characteristics (T _A =25°C)	Red (AlGaInP)	Green (AlGaInP)	Unit		
Reverse Voltage	$V_{\rm R}$	5	5	V	Forward Voltage (Typ.)	$V_{\rm F}$	1.95	2.1	v
Forward Current	I_{F}	30	30	mA	(I _F =20mA)				
Forward Current (Peak) 1/10 Duty Cycle	irs	185	150	mA	Forward Voltage (Max.) (I _F =20mA)	V_{F}	2.5	2.5	V
0.1ms Pulse Width	115	100	100	1111 1	Reverse Current (Max.)	I_R	10	10	μΑ
Power Dissipation	PD	75	75	mW	(V _R =5V)				
Operating Temperature	TA	-40 ~ +85		°C	Wavelength of Peak Emission CIE127-2007(Typ.)	λP	645*	574*	nm
Storage Temperature	Tstg	-40 ~ +85		ч С	(IF=20mA)				
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds				Wavelength of Dominant Emission CIE127-2007*(Typ.) (I _F =20mA)	λD	630*	570*	nm
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds				Spectral Line Full Width At Half-Maximum (Typ.)	$\wedge\lambda$	28	20	nm
A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly					$(I_F=20mA)$		20	20	11111

ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/JESD625-A and JEDEC/J-STD-033)

JESD625-A and JEDEC/J-STD-033)			Capacitance (Typ.) $(V_F=0V, f=1MHz)$		С	35	15		pF	
	Emitting Emitting Color Material		Lens-color	Luminous Intensity CIE127-2007* (I _F =20mA) mcd		CIE127-2	Wavelength CIE127-2007* nm λP		Viewing Angle 20 1/2	
				min.	typ.					
Red		AlGaInP	White Diffused —	200 80*	497 158*	645				
								60°		

40

40*

98

98*

*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

AlGaInP

Green

Dec 15,2018

Part Number

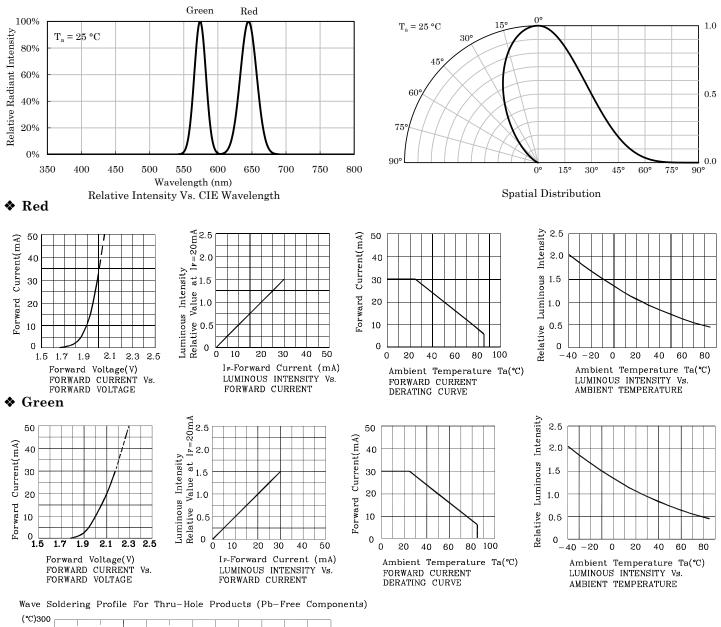
XLMDKVG29M

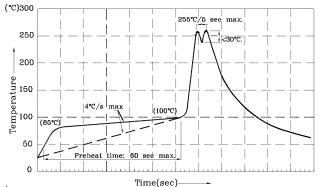
XDSA2559 V7-X Layout: Maggie L.

574*

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Notes:

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1. Recommend pre-heat temperature of 105°C or less (as measured with a thermocouple attached to the LED pins) prior to immersion in the solder wave with a maximum solder bath temperature of 260°C
2. Peak wave soldering temperature between 245°C ~ 255°C for 3 sec
(5 gas max)

(5 sec max).

(a) See final).
(b) see final).
(c) apply stress to the epoxy resin while the temperature is above 85°C.
(c) Fixtures should not incur stress on the component when mounting and during soldering process.
(c) Composition of the stress of t

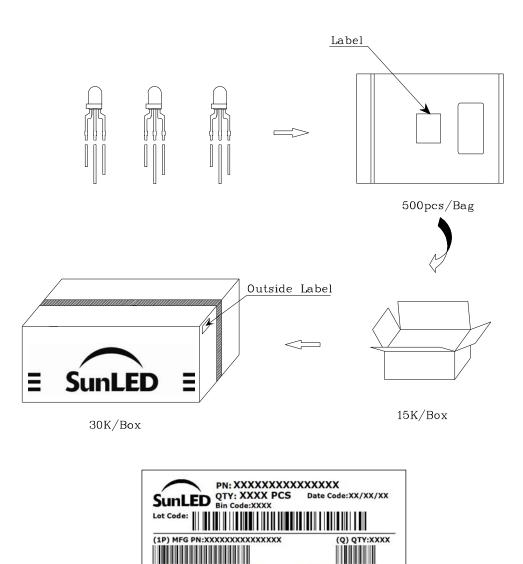
Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity / luminous flux, or wavelength),

- the typical accuracy of the sorting process is as follows:
- 1. Wavelength: +/-1nm
- 2. Luminous Intensity / Luminous Flux: +/-15%
- 3. Forward Voltage: +/-0.1V
- Note: Accuracy may depend on the sorting parameters.



PACKING & LABEL SPECIFICATIONS



(33P) BIN CODE:XXXX

RoHS Compliant Made in China

(9D) D/C:XXXX

TERMS OF USE

- 1. Data presented in this document reflect statistical figures and should be treated as technical reference only.
- 2. Contents within this document are subject to improvement and enhancement changes without notice.
- 3. The product(s) in this document are designed to be operated within the electrical and environmental specifications indicated on the datasheet.

(SP)XXXXXXXXXXX

(4L) COO:CN

- User accepts full risk and responsibility when operating the product(s) beyond their intended specifications.
- 4. The product(s) described in this document are intended for electronic applications in which a person's life is not reliant upon the LED. Please consult with a SunLED representative for special applications where the LED may have a direct impact on a person's life.
- 5. The contents within this document may not be altered without prior consent by SunLED.
- 6. Additional technical notes are available at https://www.SunLEDusa.com/TechnicalNotes.asp