



PRODUCT CHANGE NOTIFICATION

PCN No: 1007

Issue Date: 08/17/2022

Parts Affected	SMTL6-GC	Old Rev.	A	New Rev.	B
	SMTL6-UWDW		A		B
	SMTL2-AC		A		B
	SM1206AC-IL		A		B

Change Will Affect: LED optical, electrical and mechanical characteristics

Description of Change: Changes are reflected in Red as shown in the table to the right

Effective Date of Change: August 17, 2022

Reason for Change: New chips are being used due to chip shortage

Effect of Change on Product Fit, Form, or Function.

SMTL6-GC: increase in thickness by 7%, increase in size of protective resin diameter by 2%, decrease in continuous forward current from 100mA to 75mA, decrease in max storage temp. from 100°C to 90°C, decrease in soldering temp. from 260°C to 250°C, decrease in max. forward voltage from 3.5V to 3.4V, decrease in max. dominant wavelength from 532nm to 529nm, increase in luminous intensity from 2000-5000 to 4000-7000 mcd, decrease in viewing angle from 140° to 120°.

SMTL6-UWDW: increase in thickness by 7%, increase in size of protective resin diameter by 8%, decrease in max storage temp. from 100°C to 90°C., decrease in soldering temp. from 260°C to 250°C, decrease in max. forward voltage from 3.5V to 3.4V, decrease in CCT from 4500 to 2840K, increase in luminous intensity from 3000-5000 to 7000-11000 mcd, decrease in viewing angle from 140° to 120°.

SMTL2-AC: decrease in thickness by 8%, increase in width by 8%, decrease in power dissipation from 80 to 78mW, decrease in max. storage temp. from 100°C to 85°C, decrease in max. forward voltage from 2.6V to 2.3V, decrease in reverse current from 100 uA to 10uA, decrease in dominant wavelength from 607 to 602 nm, increase in luminous intensity from 10-15 to 14.5-36mcd.

SM1206AC-IL: decrease in max. forward voltage from 2.6V to 2.3V, decrease in dominant wavelength from 607nm to 602nm, increase in luminous intensity from 11.5-15 to 9-28.5 mcd.



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Parts Affected	SMTL6-GC	Old Rev.	A	New Rev.	B
	SMTL6-UWDW		A		B
	SMTL2-AC		A		B
	SM1206AC-IL		A		B

P/N		SMTL6-GC	SMTL6-UWDW	SMTL2-AC	SM1206AC-IL
Vf	Min	2.8	3	-	-
	Typ	3.3	3.3	2	2
	Max	3.5	3.6	2.6	2.6
Vf (New)	Min	2.8	2.8	1.8	1.8
	Typ	-	-	2	2
	Max	3.4	3.4	2.3	2.3
Intensity (mcd)	Min	2000	3000	10	11.5
	Typ	-	-	15	15
	Max	5000	5000	-	-
Intensity (mcd) (New)	Min	4000	7000	14.5	9
	Typ	-	-	22.5	18
	Max	7000	11000	36	28.5
WL (nm)	Min	520	NA	600	-
	Typ	-	NA	607	607
	Max	532	NA	614	-
WL (nm) (New)	Min	520	NA	-	-
	Typ	-	NA	602	602
	Max	529	NA	-	-
Chromaticity Coordinates (XY)	Typ	NA	X=0.34, Y=0.34	NA	NA
Chromaticity Coordinates (XY) (New)	Typ	NA	X=0.45, Y=0.41	NA	NA
Viewing Angle	Typ	140	140	120	30
Viewing Angle (New)	Typ	120	120	120	30

These changes have been reviewed and approved by Bivar management per Bivar Procedure: Engineering Change Order and Part Change Notification, SOP-040, SOP-ENG-045

Please contact Bivar Inc. at www.bivar.com/contact or speak to a Bivar representative for any questions or support requirements within 30 days of issue date.

PLCC2 SMD Top View Package LED SMTL2-AC, AMBER

BIVAR

SMTL2-AC

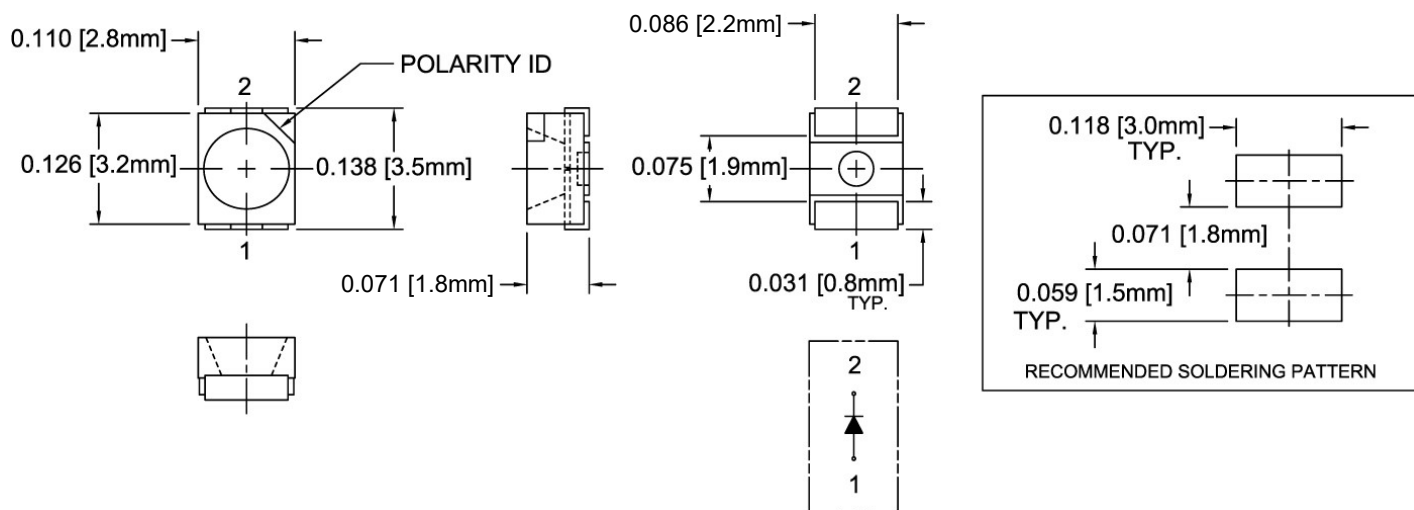
- ◆ Industry Standard PLCC2 Footprint
- ◆ Low Profile Package
- ◆ High Luminous Intensity
- ◆ Wide Viewing Angle
- ◆ High Power Efficiency



Bivar SMTL2 LED is offered in an industry standard PLCC2 package with high luminous intensity and wide viewing angles. The miniature package is ideal for small scale applications such as illumination, general indication, and backlighting. Low power consumption and excellent long life reliability are suitable for battery powered equipment. The robust package is ideal for harsh working environments and can be used in clusters for high luminous applications. Wide variety of color and intensity combinations are available to meet any illumination needs. Bivar SMTL2 LED is packaged in standard tape and reels for pick and place assemblies.

Part Number	Material	Emitted Color	Intensity Typ. mcd	Lens Color	Viewing Angle
SMTL2-AC	GaAsP	Amber	22.5	Water Clear	120°

Outline Dimensions



Outline Drawings Notes:
 1. All dimensions are in inches [millimeters].
 2. Standard tolerance: ± 0.010 " unless otherwise noted.



Bivar reserves the right to make changes at any time without notice.

PLCC2 SMD Top View Package LED SMTL2-AC, AMBER



Absolute Maximum Ratings

T_A = 25°C unless otherwise noted

Power Dissipation	78 mW
Forward Current (DC)	30 mA
Peak Forward Current ¹	100 mA
Reverse Voltage	5 V
Derating Linear From 25°C	0.4 mW/°C
Operating Temperature Range	-40 - +85°C
Storage Temperature Range	-40 - +85°C
Lead Soldering Temperature (3 mm from the base of the epoxy bulb) ²	260°C
Electrostatic Discharge (HBM)	2000 V

Notes: 1. 10% Duty Cycle, Pulse Width ≤ 0.1 msec. 2. Solder time less than 5 seconds at temperature extreme.

Electrical / Optical Characteristics

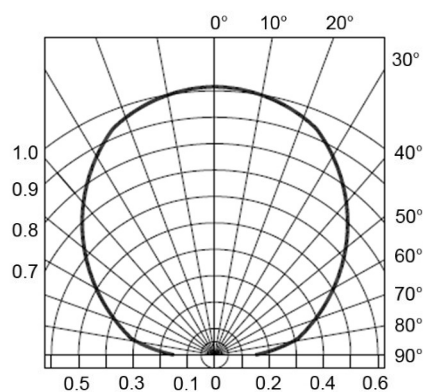
T_A = 25°C & I_F = 20 mA unless otherwise noted

Emitting Color	Forward Voltage (V) ¹			Recommend Forward Current (mA)			Reverse Current (μA)	Dominant Wavelength (nm) ²			Luminous Intensity I _v (mcd) ³			Viewing Angle 2 Θ ½ (deg)
	MIN	TYP	MAX	MIN	TYP	MAX	MAX	MIN	TYP	MAX	MIN	TYP	MAX	TYP
Amber	1.8	2.0	2.3	/	20	/	10	/	602	/	14.5	22.5	36	120

Notes: 1. Tolerance of forward voltage : ±0.1V. 2. Tolerance of dominant wavelength : ±1.0nm. 3. Tolerance of luminous intensity : ±10%

Directivity Radiation

T_A = 25°C unless otherwise noted



Radiation Diagram

Bivar reserves the right to make changes at any time without notice.

PLCC2 SMD Top View Package LED SMTL2-AC, AMBER



Typical Electrical / Optical Characteristics

$T_A = 25^\circ\text{C}$ unless otherwise noted

Relative Spectrum Emission $I_{\text{rel}} = f(\lambda)$, $T_A = 25^\circ\text{C}$, $I_F = 20\text{ mA}$

$V(\lambda)$ = Standard eye response curve

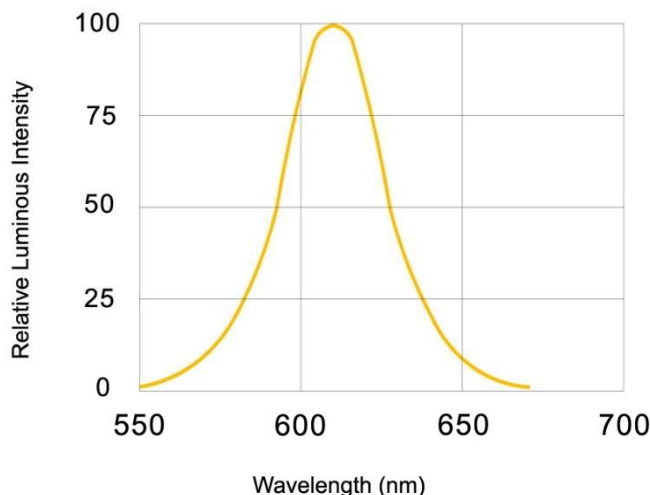


Fig.1 Relative Luminous Intensity vs. Wavelength

Forward Current $I_F = f(V_F)$

$T_A = 25^\circ\text{C}$

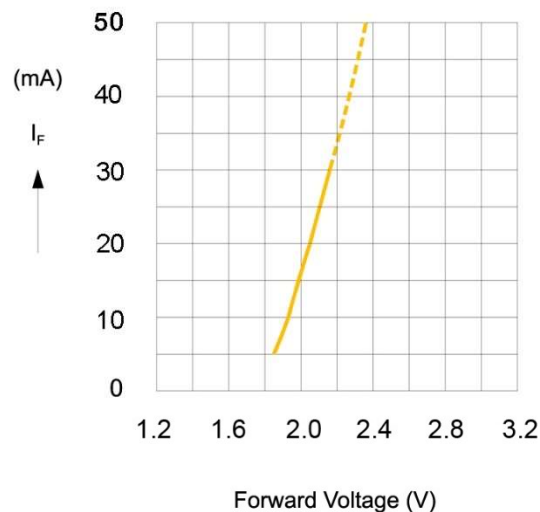


Fig.2 Forward Current vs. Forward Voltage

Relative Luminous Intensity $I_V/I_V(20\text{ mA}) = f(I_F)$

$T_A = 25^\circ\text{C}$

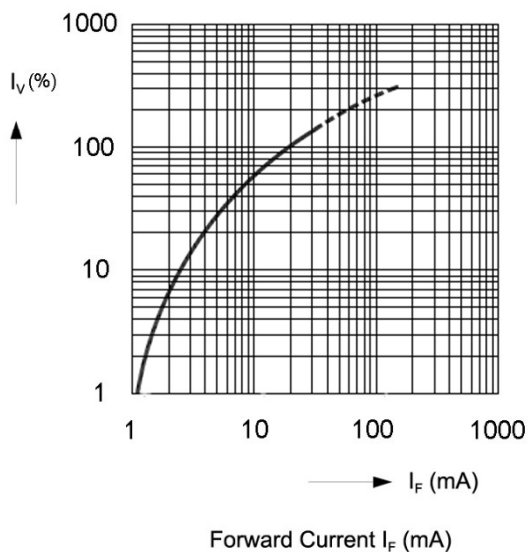


Fig.3 Relative Luminous Intensity vs. Forward Current

Ambient Temperature vs. Allowable Forward Current

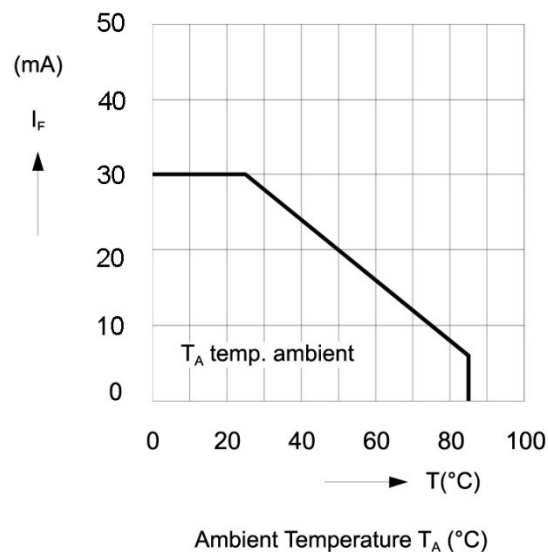


Fig.4 Forward Current vs. Ambient Temperature

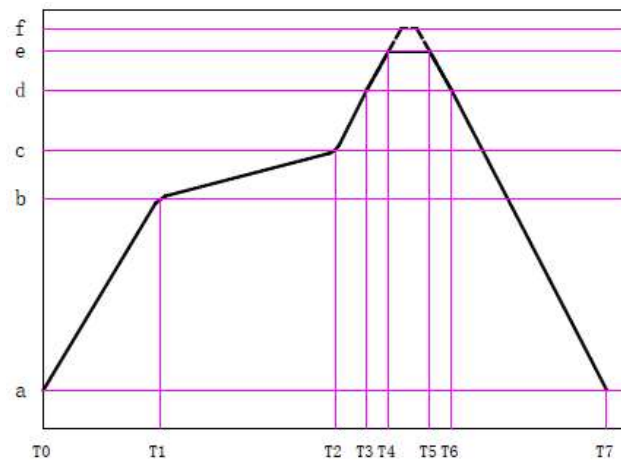
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PLCC2 SMD Top View Package LED SMTL2-AC, AMBER



Recommended Soldering Conditions

Temp. (°C)		Time (Sec)	
a	25	T0~T1	Max. 3°C/sec
b	150	T1~T2	90~130 sec
c	200	T2~T4	Max. 3°C/sec
d	220	T3~T6	Max. 50sec
e	245		
f	Max. 260		Max. 10sec
		T5~T7	Max. -3°C/sec
Belt Speed		70~90 cm/min	

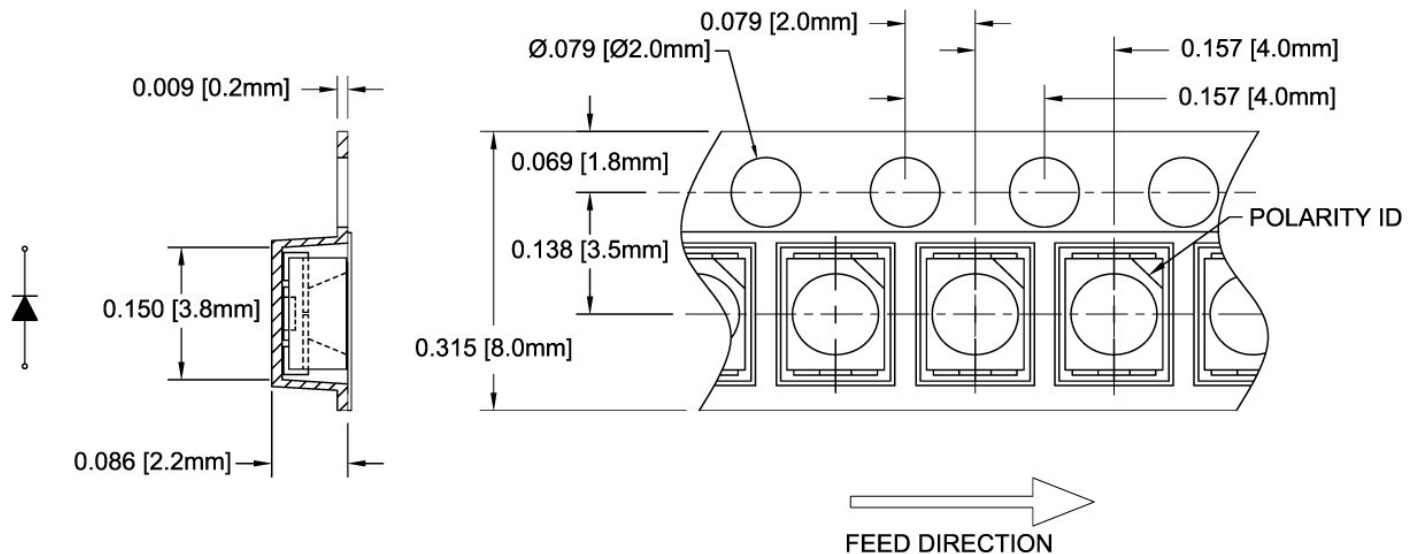


Soldering Iron

1. Temperature at tip of iron: 300°C Max. (25W Max.)
2. Soldering time: 5 ± 1sec.

Tape and Reel Dimensions

Note: 2000 pcs/Reel

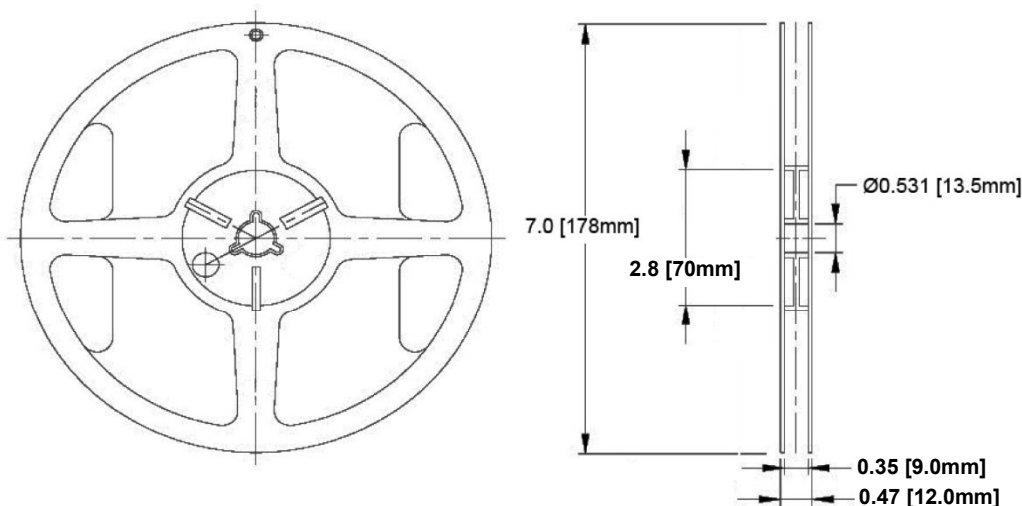


Outline Drawings Notes:
 1. All dimensions are in inches [millimeters].
 2. Standard tolerance: ±0.010" unless otherwise noted.

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PLCC2 SMD Top View Package LED SMTL2-AC, AMBER

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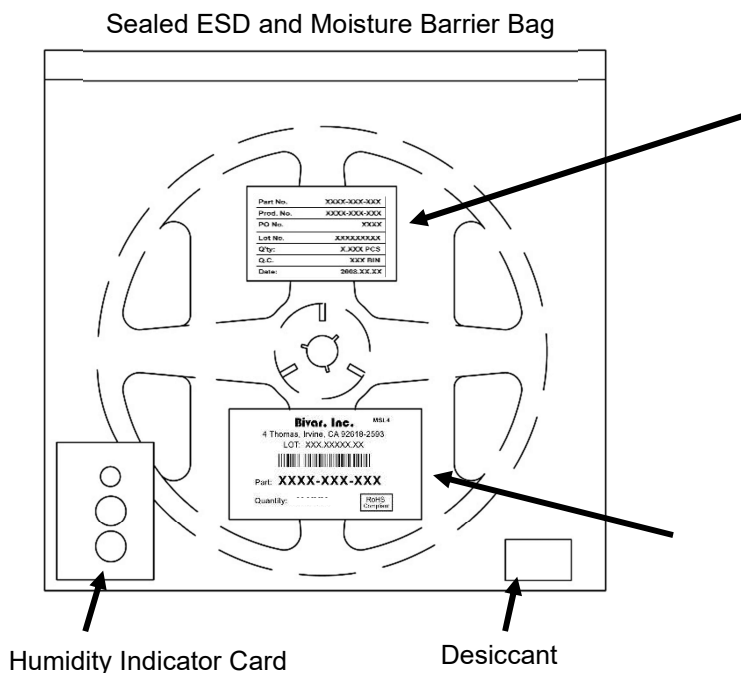


Outline Drawings Notes:

1. All dimensions are in inches [millimeters].
2. Standard tolerance unless otherwise noted: X.XXX ± 0.010"
X.X ± 0.1"

Packaging and Labeling Plan

Note: 1 Reel / Bag



Part No.	XXXX-XXX-XXX
Prod. No.	XXXX-XXX-XXX
PO No.	XXXX
Lot No.	XXXXXXXXXX
Q'ty:	X.XXX PCS
Q.C.	XXX BIN
Date:	2008.XX.XX

Internal Quality Control Label



Bivar Standard Packaging Label

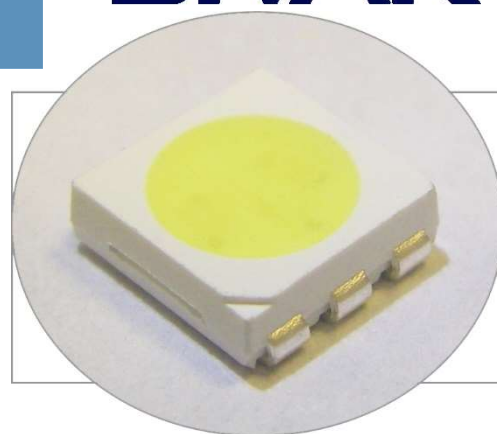
Bivar reserves the right to make changes at any time without notice.

PLCC6 SMD Top View Package LED SMTL6-UWDW, WARM WHITE

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SMTL6-UWDW

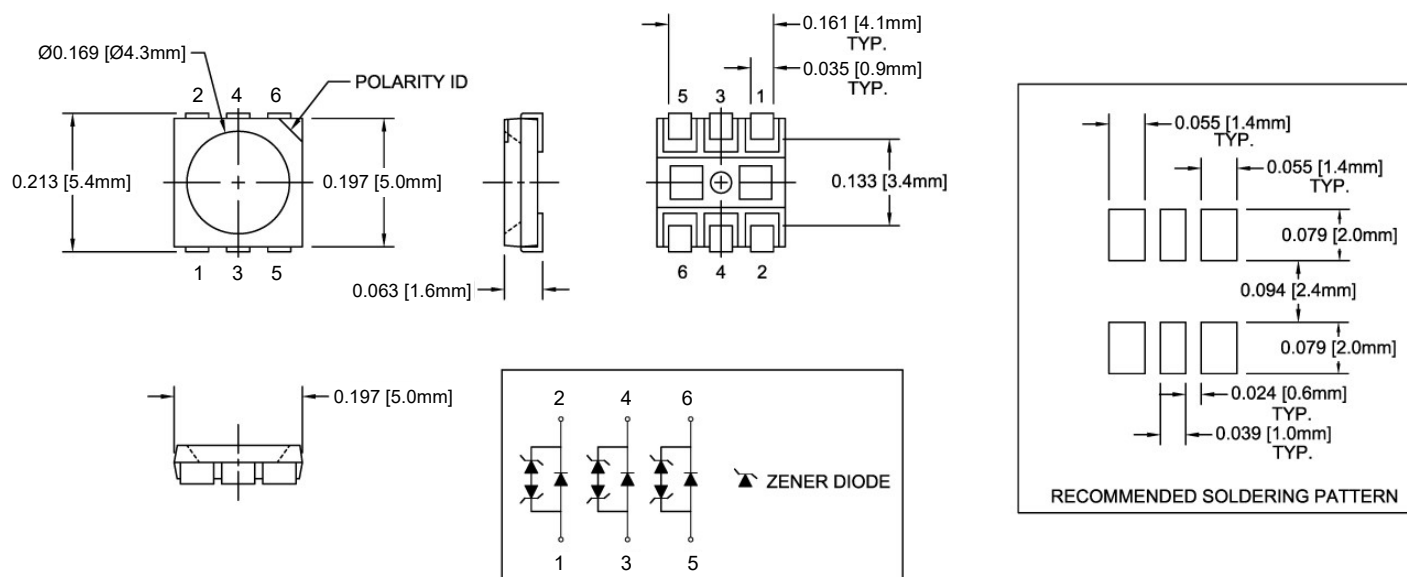
- ◆ Industry Standard PLCC6 Footprint
- ◆ Low Profile Package
- ◆ High Luminous Intensity
- ◆ Wide Viewing Angle
- ◆ High Power Efficiency
- ◆ Equipped with Protective Zener Diode



Bivar SMTL6 LED is offered in an industry standard PLCC6 package with high luminous intensity and wide viewing angles. The miniature package is ideal for small scale applications such as illumination, general indication, and backlighting. Low power consumption and excellent long life reliability are suitable for battery powered equipment. The flexible three chip design allows for a wide variety of lighting options where the chips can be individually driven or in combinations. Bivar SMTL6 LED is packaged in standard tape and reels for pick and place assemblies.

Part Number	Material	Emitted Color	Lumen Typ. mcd	Lens Color	Viewing Angle
SMTL6-UWDW	InGaN	Warm White	10200	Diffused	120°

Outline Dimensions



Outline Drawings Notes:

1. All dimensions are in inches [millimeters].
2. Standard tolerance: ± 0.010 " unless otherwise noted.



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PLCC6 SMD Top View Package LED SMTL6-UWDW, WARM WHITE



Absolute Maximum Ratings

T_A = 25°C unless otherwise noted

Power Dissipation	100 mW
Continuous Forward Current	75 mA
Peak Forward Current ¹	75 mA
Electrostatic Discharge Classification (HBM)	2000 V
Reverse Voltage	5 V
Derating Linear from 25°C	0.4 mA/°C
Operating Temperature Range	-30 - +85°C
Storage Temperature Range	-40 - +90°C
Lead Soldering Temperature (3 mm from the base of the epoxy bulb) ²	250°C

Notes: 1. 10% Duty Cycle, Pulse Width ≤ 0.1 msec. 2. Solder time less than 4 seconds at temperature extreme.

Electrical / Optical Characteristics

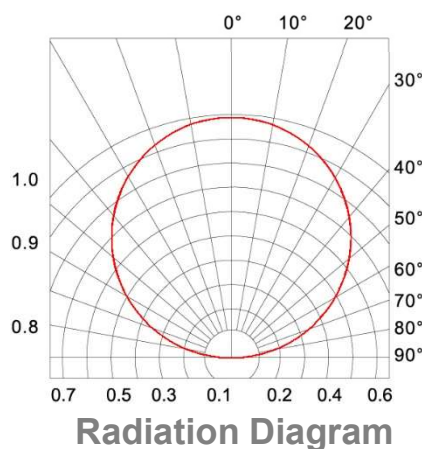
T_A = 25°C & I_F = 60 mA unless otherwise noted

Emitting Color	Forward Voltage (V) ¹			Recommend Forward Current (mA)			Reverse Current (μA)	Chromaticity Coordinates (XY) ² / CCT (Kelvin)	Luminous Intensity I _v (mcd) ³			Viewing Angle 2Θ ½ (deg)
	MIN	TYP	MAX	MIN	TYP	MAX	MAX	TYP	MIN	TYP	MAX	TYP
Warm White	2.8	/	3.4	/	60	/	10	X=0.45, Y=0.41 2840K	7000	/	11000	120

Notes: 1. Tolerance of forward voltage : ±0.05V. 2. Tolerance of chromaticity coordinates : ±0.02. 3. Tolerance of luminous intensity : ±15%

Directivity Radiation

T_A = 25°C unless otherwise noted



Bivar reserves the right to make changes at any time without notice.

PLCC6 SMD Top View Package LED SMTL6-UWDW, WARM WHITE



Typical Electrical / Optical Characteristics Curves

$T_A = 25^\circ\text{C}$ unless otherwise noted

Relative Spectrum Emission $I_{\text{rel}} = f(\lambda)$, $T_A = 25^\circ\text{C}$, $I_F = 60\text{ mA}$
 $V(\lambda)$ = Standard eye response curve

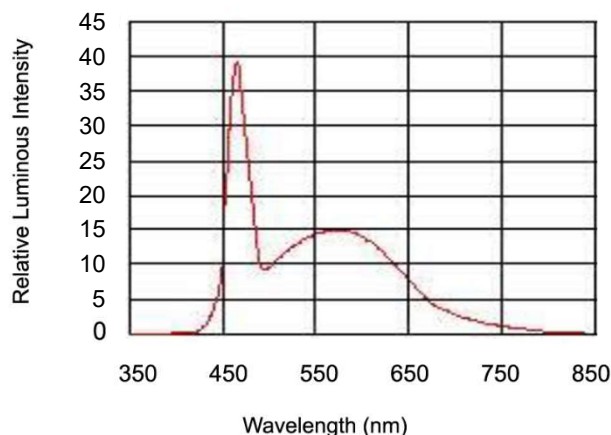


Fig.1 Relative Luminous Intensity vs. Wavelength

Forward Current $I_F = f(V_F)$
 $T_A = 25^\circ\text{C}$

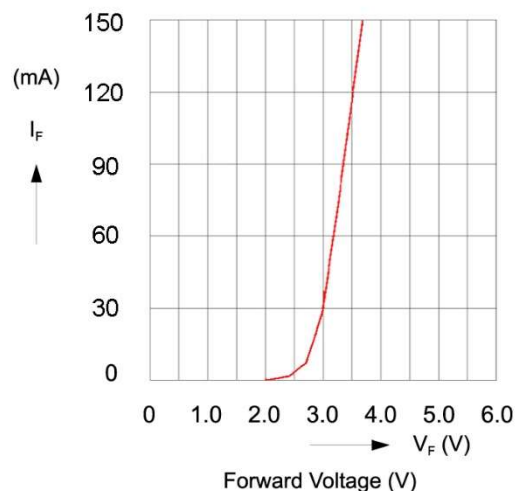


Fig.2 Forward Current vs. Forward Voltage

Relative Luminous Intensity $I_V/I_V(60\text{ mA}) = f(I_F)$
 $T_A = 25^\circ\text{C}$

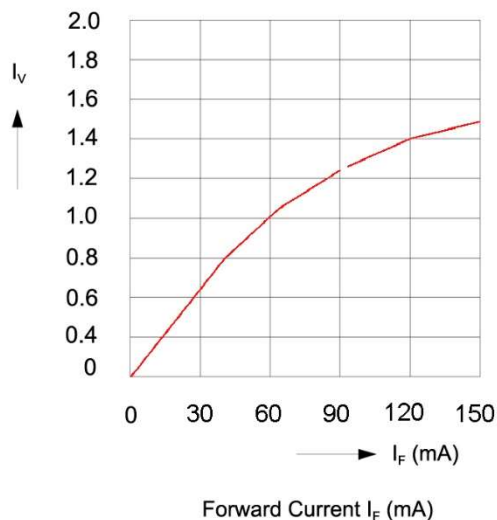


Fig.3 Relative Luminous Intensity vs. Forward Current

Ambient Temperature vs. Allowable Forward Current

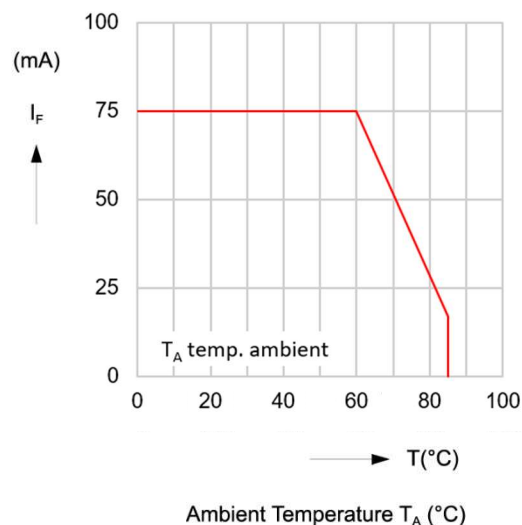
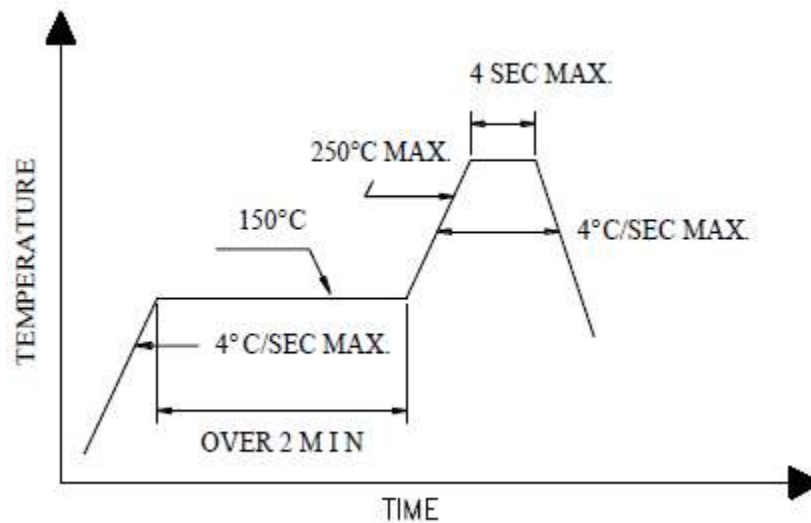


Fig.4 Forward Current vs. Ambient Temperature

Bivar reserves the right to make changes at any time without notice.

Recommended Soldering Conditions



Soldering Iron

1. Temperature at tip of iron: 300°C Max. (25W Max.)
2. Soldering time: $3 \text{ sec} \pm 1$.

PLCC6 SMD Top View Package LED SMTL6-UWDW, WARM WHITE

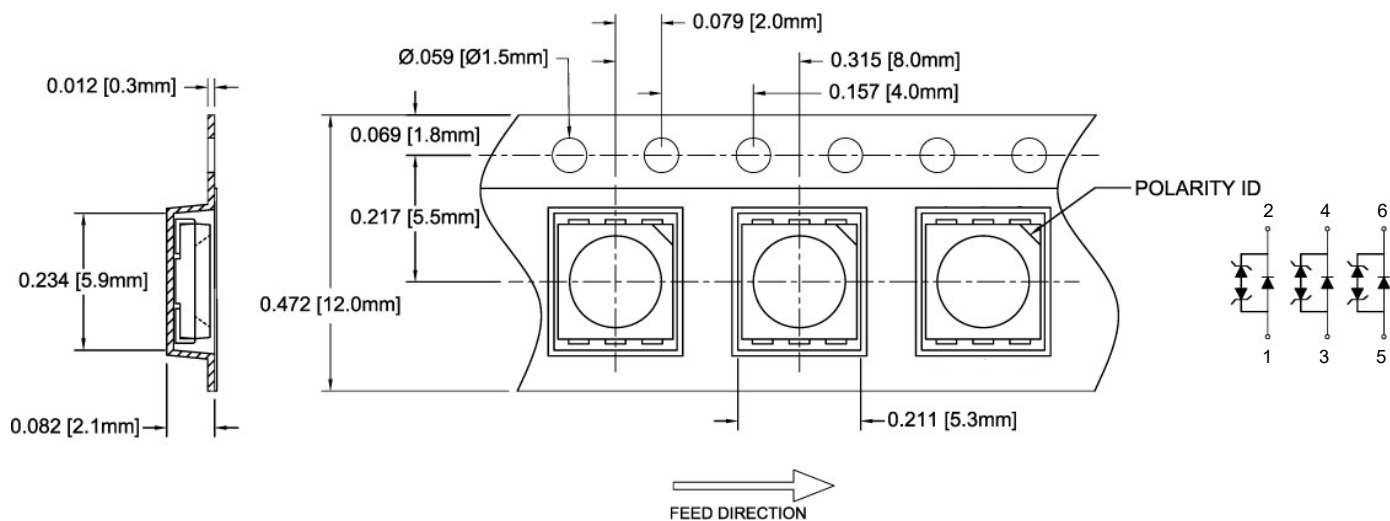


Storage

1. The storage temperature and R.H. are 5 °C ~30 °C, R.H. 60% Max.
2. Once the package is opened, the products should be used within 24 hrs. Otherwise, they should be kept in a dampproof box with a desiccating agent.
3. It is recommended to bake at 70 °C $\pm$ 3 °C for 48 hrs before soldering them after the package is unsealed for 24 hrs.

Tape and Reel Dimensions

Note: 1000 pcs/Reel



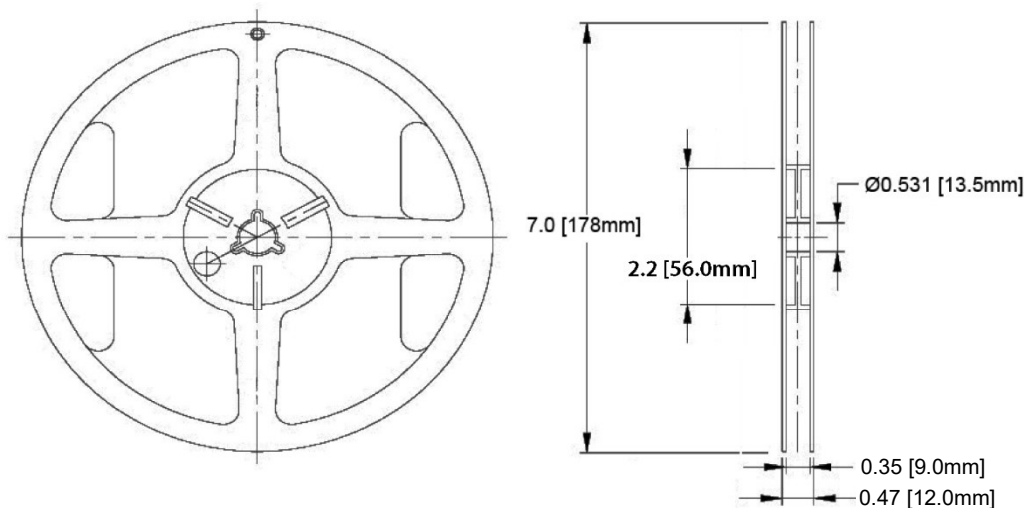
Outline Drawings Notes:

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2. Standard tolerance: ± 0.010 " unless otherwise noted.

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PLCC6 SMD Top View Package LED SMTL6-UWDW, WARM WHITE

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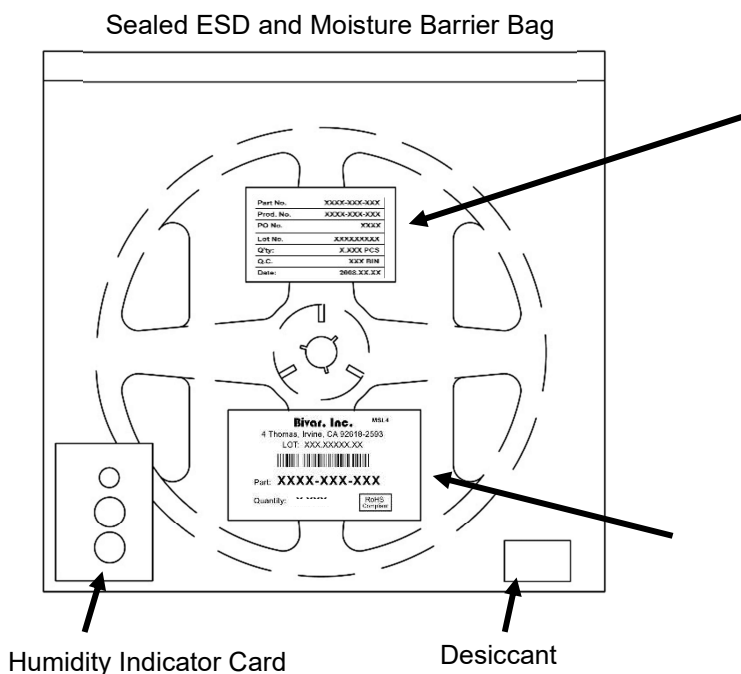


Outline Drawings Notes:

1. All dimensions are in inches [millimeters].
2. Standard tolerance unless otherwise noted: X.XXX $\pm$ 0.010"
X.X $\pm$ 0.1"

Packaging and Labeling Plan

Note: 1 Reel / Bag



Part No.	XXXX-XXX-XXX
Prod. No.	XXXX-XXX-XXX
PO No.	XXXX
Lot No.	XXXXXXXXXX
Q'ty:	X.XXX PCS
Q.C.	XXX BIN
Date:	2008.XX.XX

Internal Quality Control Label



Bivar Standard Packaging Label

Bivar reserves the right to make changes at any time without notice.

PLCC6 SMD Top View Package LED SMTL6-GC, GREEN

BIVAR

SMTL6-GC

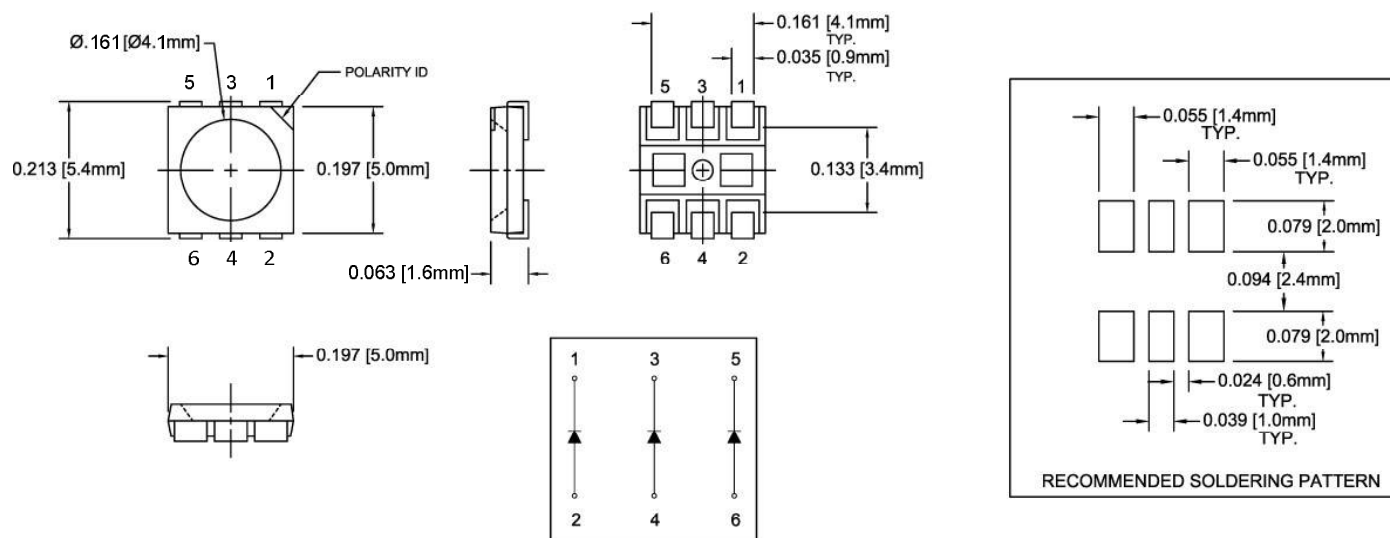
- ◆ Industry Standard PLCC6 Footprint
- ◆ Low Profile Package
- ◆ High Luminous Intensity
- ◆ Wide Viewing Angle
- ◆ High Power Efficiency



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Part Number	Material	Emitted Color	Lumen Typ. mcd	Lens Color	Viewing Angle
SMTL6-GC	InGaN	Green	5520	Water Clear	120°

Outline Dimensions



Outline Drawings Notes:

1. All dimensions are in inches [millimeters].
2. Standard tolerance: $\pm 0.010''$ unless otherwise noted.



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PLCC6 SMD Top View Package LED SMTL6-GC, GREEN

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Absolute Maximum Ratings

T_A = 25°C unless otherwise noted

Power Dissipation	100 mW
Continuous Forward Current	75 mA
Peak Forward Current ¹	75 mA
Electrostatic Discharge Classification (HBM)	2000 V
Reverse Voltage	5 V
Derating Linear from 25°C	0.4 mA/°C
Operating Temperature Range	-30 - +85°C
Storage Temperature Range	-40 - +90°C
Lead Soldering Temperature (3 mm from the base of the epoxy bulb) ²	250°C

Notes: 1. 10% Duty Cycle, Pulse Width ≤ 0.1 msec. 2. Solder time less than 4 seconds at temperature extreme.

Electrical / Optical Characteristics

T_A = 25°C & I_F = 60 mA unless otherwise noted

Emitting Color	Forward Voltage (V) ¹			Recommend Forward Current (mA)			Reverse Current (μA)	Dominant Wavelength (nm) ²			Luminous Intensity I _v (mcd) ³			Viewing Angle 2Θ ½ (deg)
	MIN	TYP	MAX	MIN	TYP	MAX	MAX	MIN	TYP	MAX	MIN	TYP	MAX	TYP
Green	2.8	/	3.4	/	60	/	10	520	/	529	4000	/	7000	120

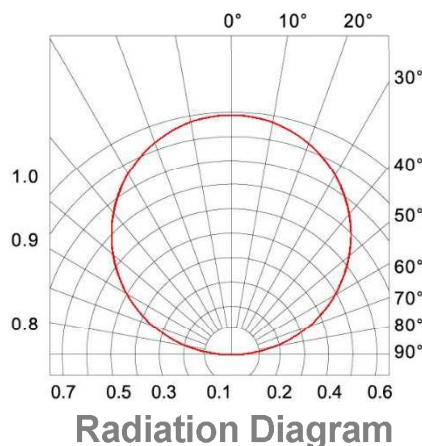
Notes: 1. Tolerance of forward voltage : ±0.05V.

2. Tolerance of dominant wavelength : ±1.0nm.

3. Tolerance of luminous intensity : ±15%

Directivity Radiation

T_A = 25°C unless otherwise noted



Bivar reserves the right to make changes at any time without notice.

PLCC6 SMD Top View Package LED SMTL6-GC, GREEN



Typical Electrical / Optical Characteristics Curves

$T_A = 25^\circ\text{C}$ unless otherwise noted

Relative Spectrum Emission $I_{\text{rel}} = f(\lambda)$, $T_A = 25^\circ\text{C}$, $I_F = 60\text{ mA}$
 $V(\lambda)$ = Standard eye response curve

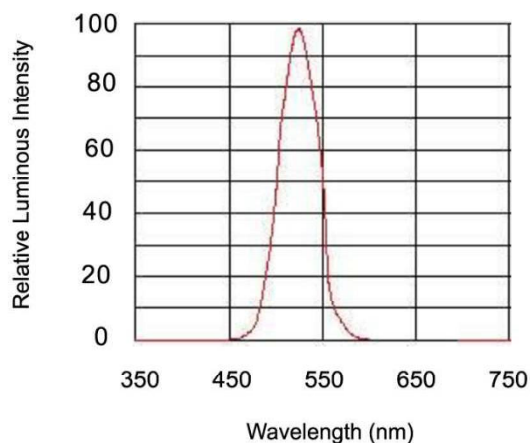


Fig.1 Relative Luminous Intensity vs. Wavelength

Forward Current $I_F = f(V_F)$
 $T_A = 25^\circ\text{C}$

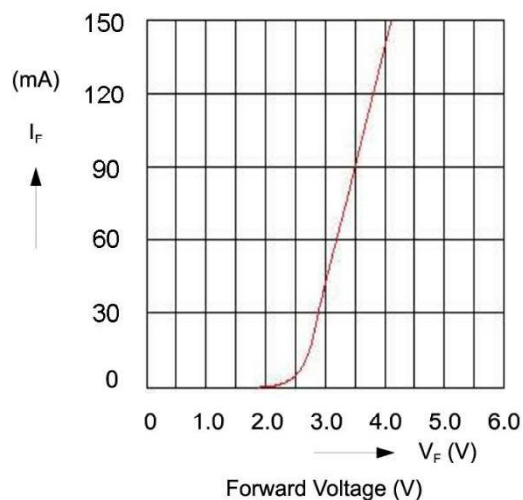


Fig.2 Forward Current vs. Forward Voltage

Relative Luminous Intensity $I_V/I_V(60\text{ mA}) = f(I_F)$
 $T_A = 25^\circ\text{C}$

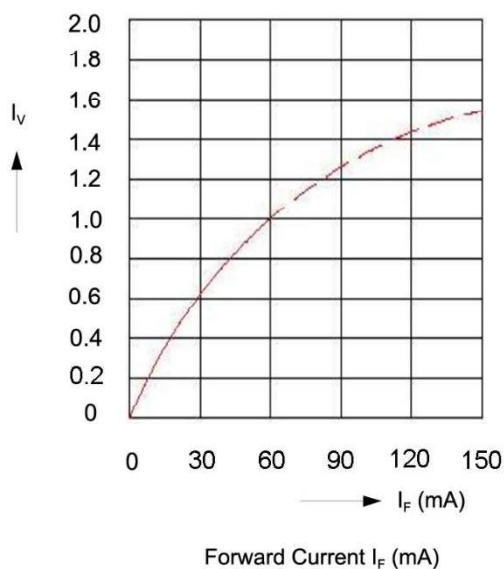


Fig.3 Relative Luminous Intensity vs. Forward Current

Ambient Temperature vs. Allowable Forward Current

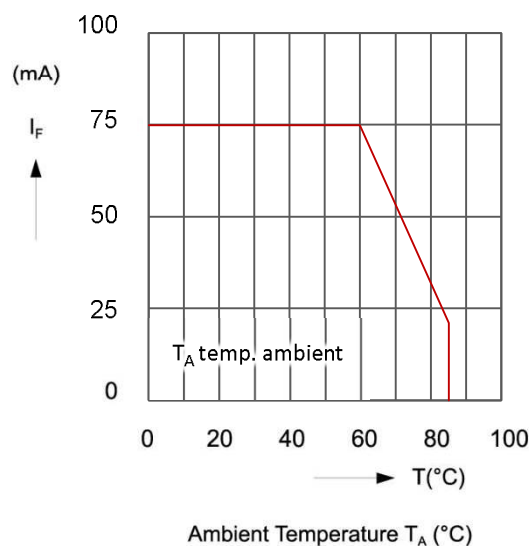
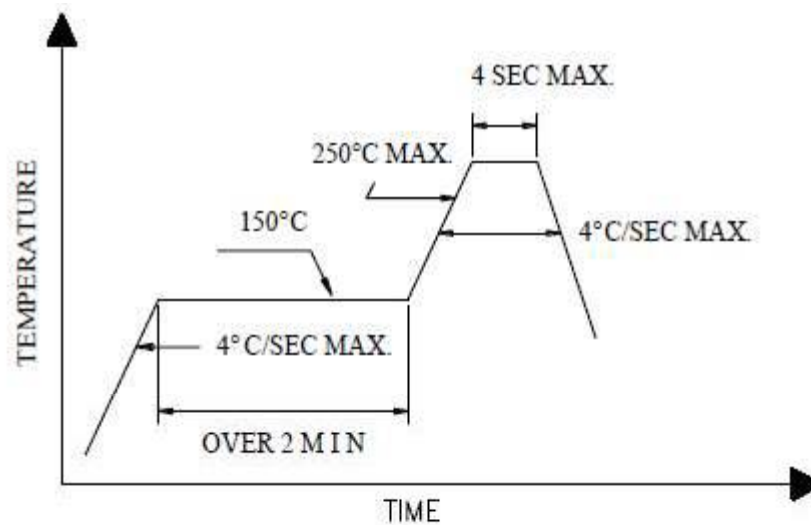


Fig.4 Forward Current vs. Ambient Temperature

Bivar reserves the right to make changes at any time without notice.

Recommended Soldering Conditions



Soldering Iron

1. Temperature at tip of iron: 300°C Max. (25W Max.)
2. Soldering time: 3 sec $\pm$ 1.

PLCC6 SMD Top View Package LED SMTL6-GC, GREEN

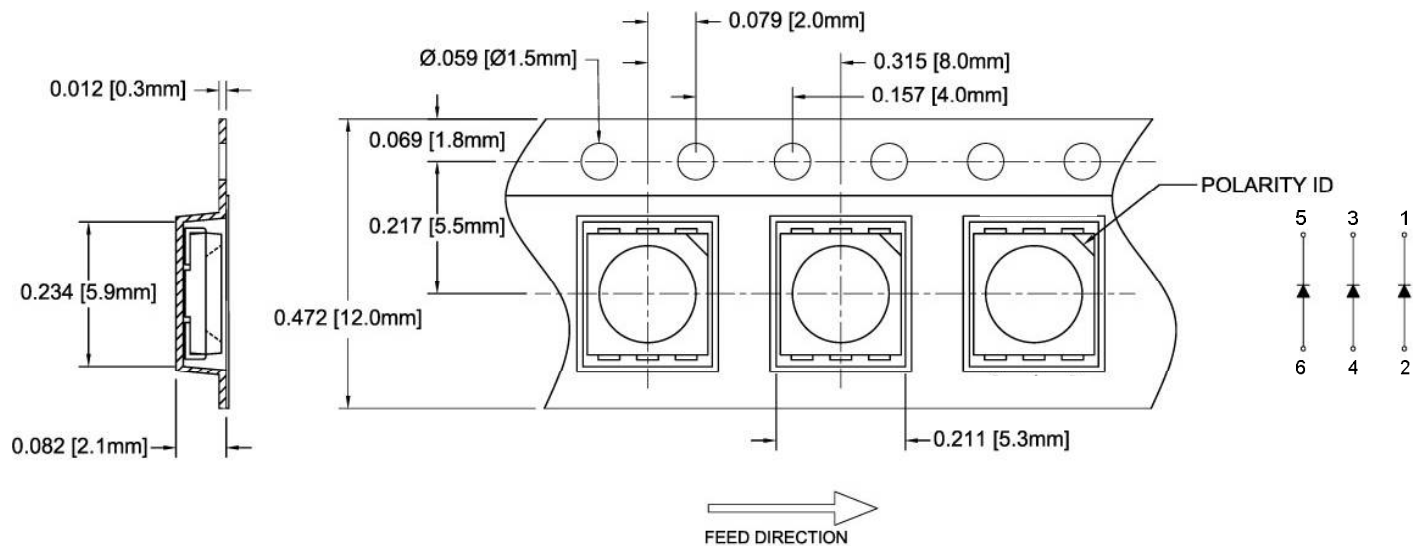


Storage

1. The storage temperature and R.H. are 5 °C ~30 °C, R.H. 60% Max.
2. Once the package is opened, the products should be used within 24 hrs. Otherwise, they should be kept in a dampproof box with a desiccating agent.
3. It is recommended to bake at 70 °C $\pm$ 3 °C for 48 hrs before soldering them after the package is unsealed for 24 hrs.

Tape and Reel Dimensions

Note: 1000 pcs/Reel



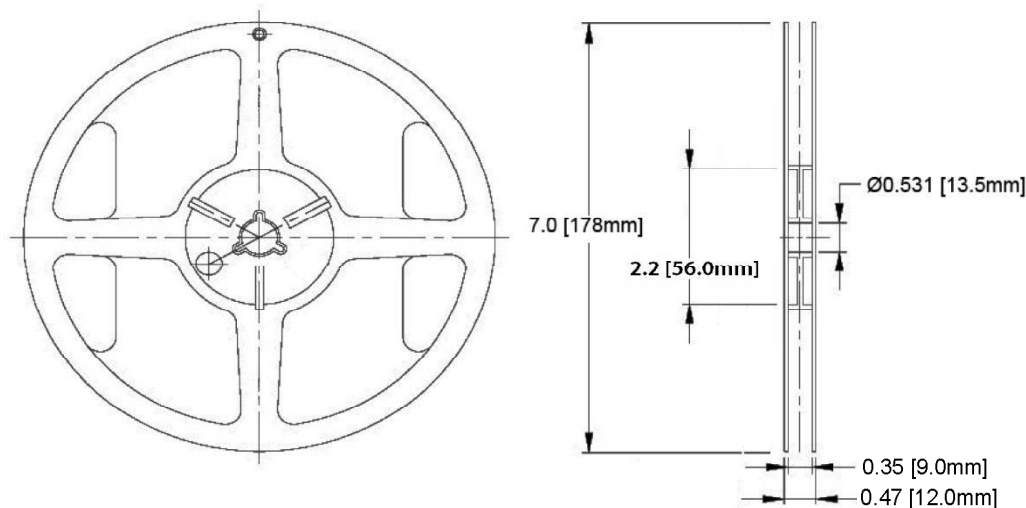
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2. Standard tolerance: ± 0.010 " unless otherwise noted.

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PLCC6 SMD Top View Package LED SMTL6-GC, GREEN

BIVAR

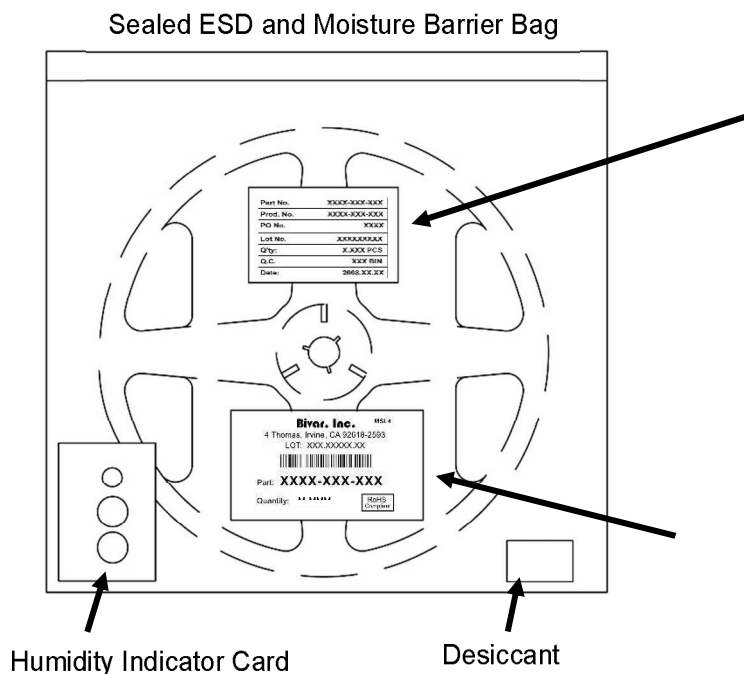


Outline Drawings Notes:

1. All dimensions are in inches [millimeters].
2. Standard tolerance unless otherwise noted: X.XXX $\pm$ 0.010"
X.X $\pm$ 0.1"

Packaging and Labeling Plan

Note: 1 Reel / Bag



Part No.	XXXX-XXX-XXX
Prod. No.	XXXX-XXX-XXX
PO No.	XXXX
Lot No.	XXXXXXXXXX
Q'ty:	X.XXX PCS
Q.C.	XXX BIN
Date:	2008.XX.XX

Internal Quality Control Label



Bivar Standard Packaging Label

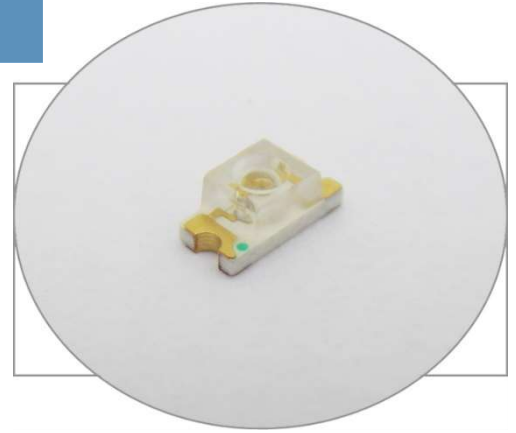
Bivar reserves the right to make changes at any time without notice.

SURFACE MOUNT LED AMBER, 1206 IL PACKAGE

BIVAR

SM1206AC-IL

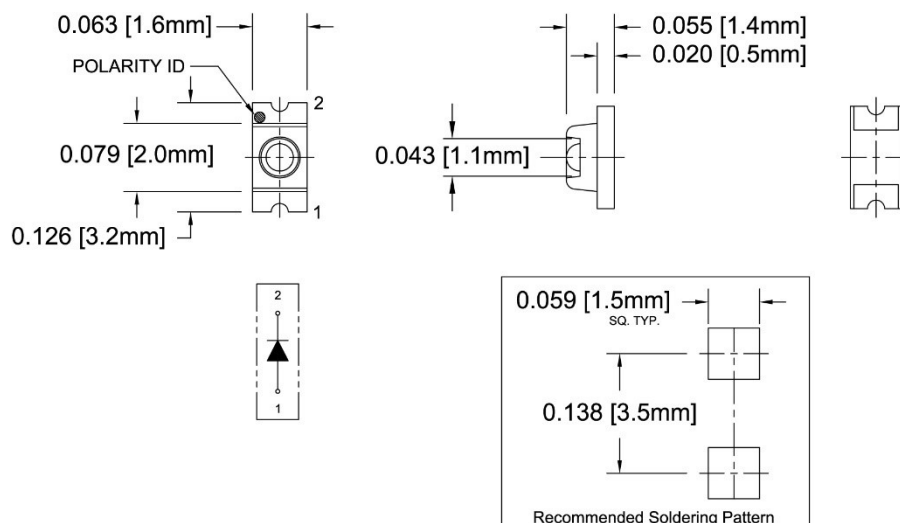
- ◆ Industry Standard 1206 Footprint
- ◆ RoHS Compliant
- ◆ Water Clear Inner Lens
- ◆ High Luminous Intensity
- ◆ Narrow Viewing Angle
- ◆ Ideal for Status Indication, Display, and Backlighting



Bivar Surface Mount 1206 Inner Lens package LED may be used in nearly any lighting or indication application. The water clear inner lens provides a narrow viewing angle and high luminous intensity making it suitable for small scale applications such as display, backlighting, and general indication. Low power consumption and excellent long life reliability are ideal for battery powered equipment. Wide variety of wavelength and intensity combinations are available to meet any illumination need. The SM1206-IL LED is packaged in standard tape and reels for pick and place assemblies.

Part Number	Material	Emitted Color	Peak Wavelength λ_p (nm) TYP.	Lens Appearance	Luminous Intensity (mcd) TYP.	Viewing Angle
SM1206AC-IL	GaAsP	Amber	610	Water Clear	18	30°

Outline Dimensions



Outline Drawings Notes:

1. All dimensions are in inches [millimeters].
2. Standard tolerance: ± 0.010 " unless otherwise noted.



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SURFACE MOUNT LED AMBER, 1206 IL PACKAGE



Absolute Maximum Ratings

T_A = 25°C unless otherwise noted

Power Dissipation	78 mW
Forward Current (DC)	30 mA
Peak Forward Current ¹	100 mA
Reverse Voltage	5 V
Operating Temperature Range	-40 - +85°C
Storage Temperature Range	-40 - +85°C
Lead Soldering Temperature (3 mm from the base of the epoxy bulb) ²	260°C

Notes: 1. 10% Duty Cycle, Pulse Width ≤ 0.1 msec. 2. Solder time less than 5 seconds at temperature extreme.

Electrical / Optical Characteristics

T_A = 25°C & I_F = 20 mA unless otherwise noted

Part Number	Forward Voltage (V) ¹			Recommend Forward Current (mA)			Reverse Current (μA)	Dominant Wavelength (nm) ²			Luminous Intensity I _v (mcd) ³			Viewing Angle 2 Θ ½ (deg)
	MIN	TYP	MAX	MIN	TYP	MAX	MAX	MIN	TYP	MAX	MIN	TYP	MAX	TYP
SM1206AC-IL	1.8	2.0	2.3	/	20	/	10	/	602	/	9	18	28.5	30

Notes: 1. Tolerance of forward voltage : ±0.1V. 2. Tolerance of dominant wavelength : ±1.0nm. 3. Tolerance of luminous intensity : ±10%

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SURFACE MOUNT LED AMBER, 1206 IL PACKAGE

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Typical Electrical / Optical Characteristics

T_A = 25°C unless otherwise noted

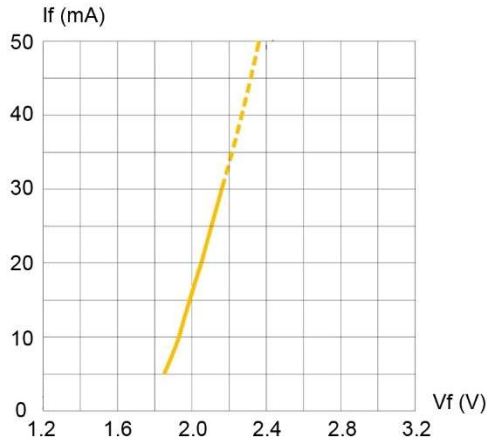


Fig. 1 Forward Current vs. Forward Voltage

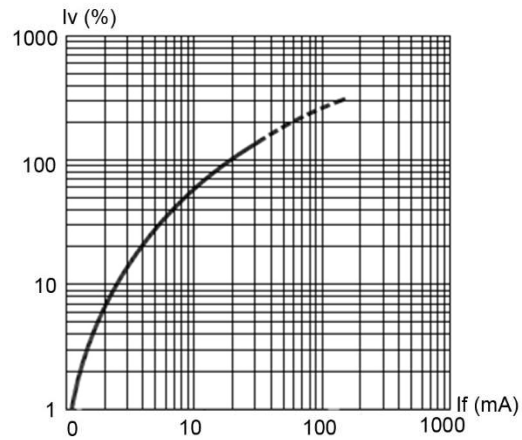


Fig. 2 Relative Luminous Intensity vs. Forward Current

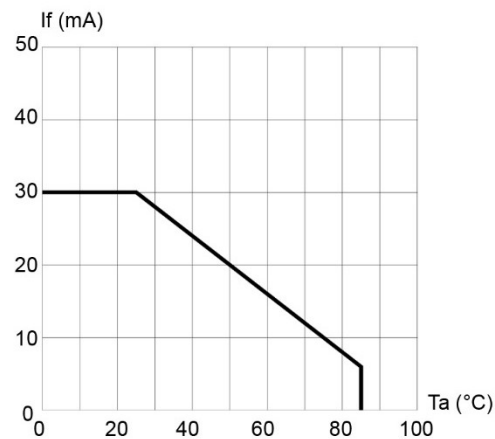


Fig. 3 Forward Current vs. Temperature

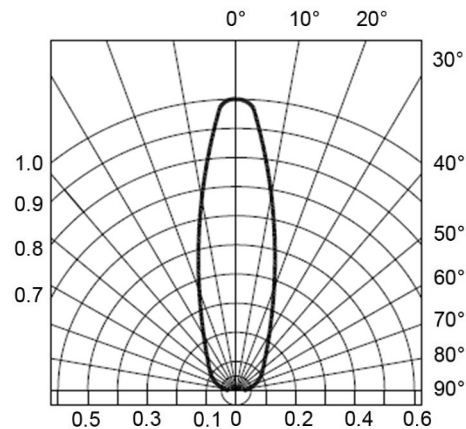


Fig. 4 Directivity Radiation Diagram

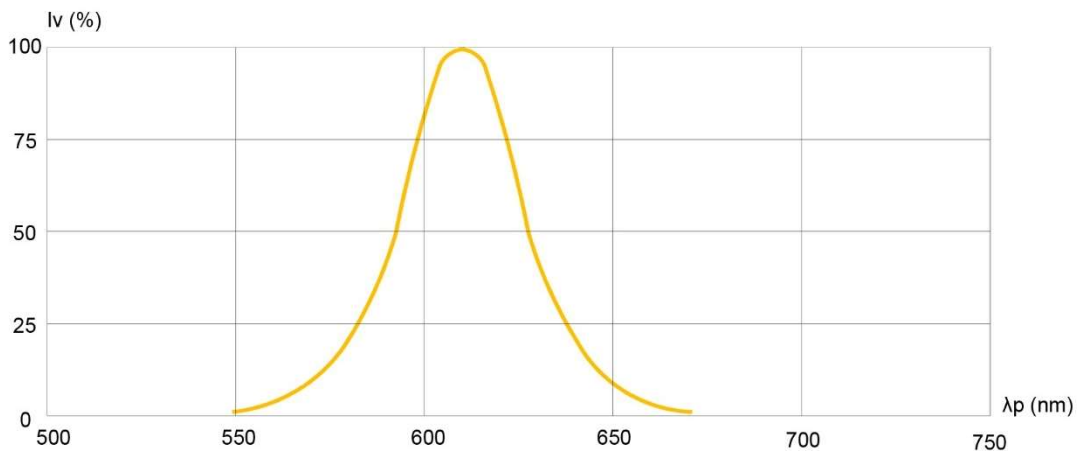


Fig. 5 Relative Luminous Intensity vs. Peak Wavelength

Bivar reserves the right to make changes at any time without notice.

SURFACE MOUNT LED AMBER, 1206 IL PACKAGE

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Recommended Soldering Conditions

Temp. (°C)		Time (Sec)	
a	25	T0~T1	Max. 3°C/sec
b	150	T1~T2	90~130 sec
c	200	T2~T4	Max. 3°C/sec
d	220	T3~T6	Max. 50sec
e	245		
f	Max. 260		Max. 10sec
		T5~T7	Max. -3°C/sec
Belt Speed		70~90 cm/min	

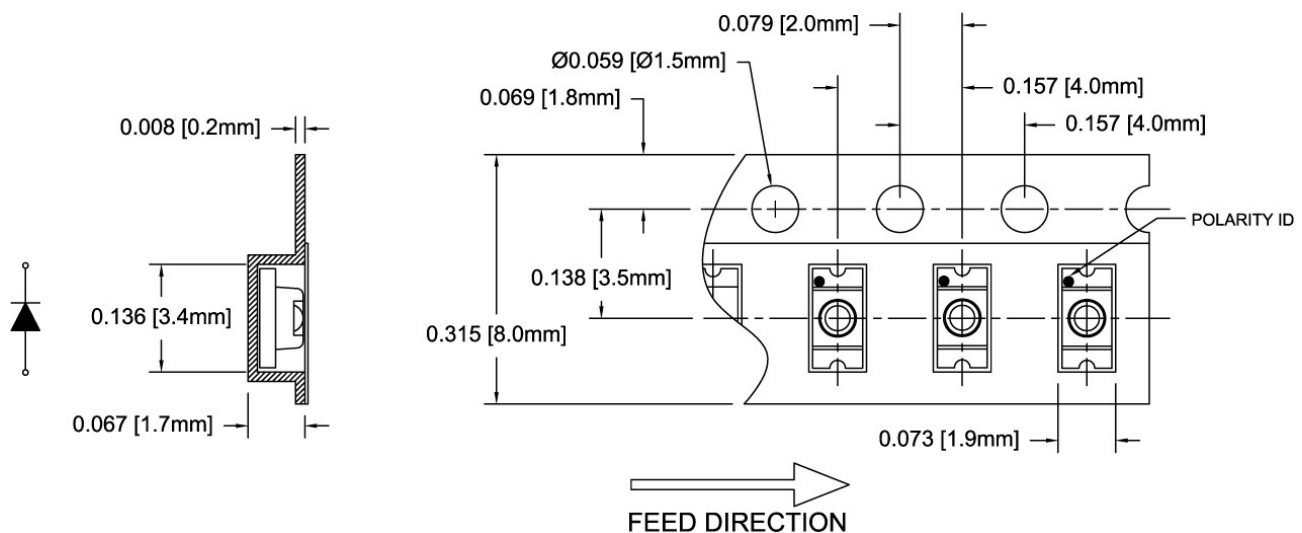


Soldering Iron

1. Temperature at tip of iron: 300°C Max. (25W Max.)
2. Soldering time: 5 ± 1sec.

Tape and Reel Dimensions

Note: 3000 pcs/Reel



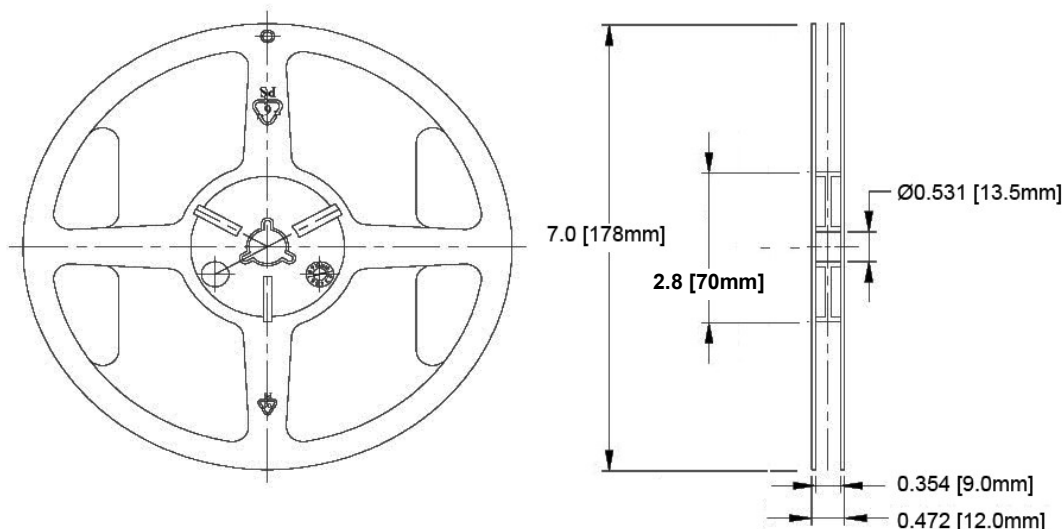
Outline Drawings Notes:

1. All dimensions are in inches [millimeters].
2. Standard tolerance: ±0.010" unless otherwise noted.

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SURFACE MOUNT LED AMBER, 1206 IL PACKAGE

BIVAR

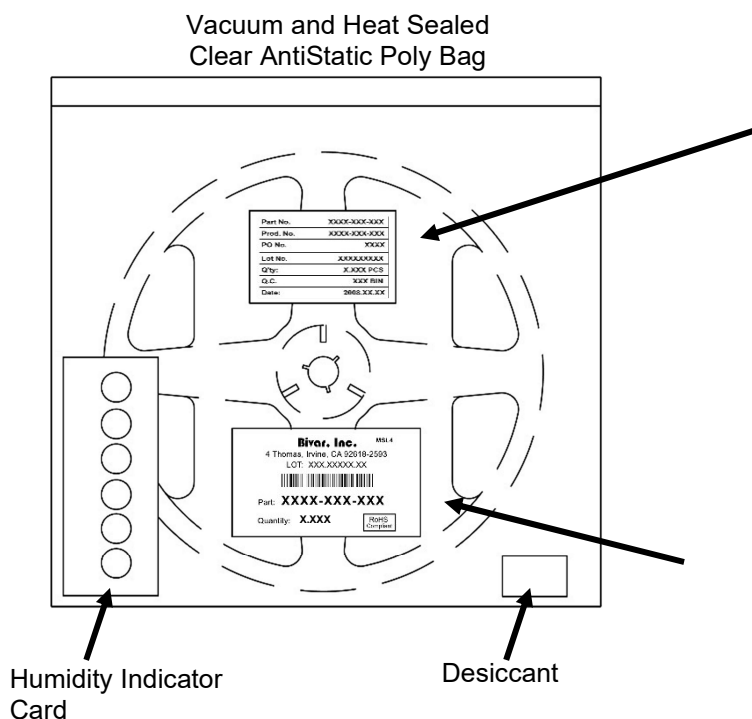


Outline Drawings Notes:

1. All dimensions are in inches [millimeters].
2. Standard tolerance unless otherwise noted: X.XXX $\pm$ 0.010"
X.X $\pm$ 0.1"

Packaging and Labeling Plan

Note: 1 Reel / Bag



Part No.	XXXX-XXX-XXX
Prod. No.	XXXX-XXX-XXX
PO No.	XXXX
Lot No.	XXXXXXXXXX
Q'ty:	X.XXX PCS
Q.C.	XXX BIN
Date:	2008.XX.XX

Internal Quality Control
Label



Bivar Standard Packaging Label

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