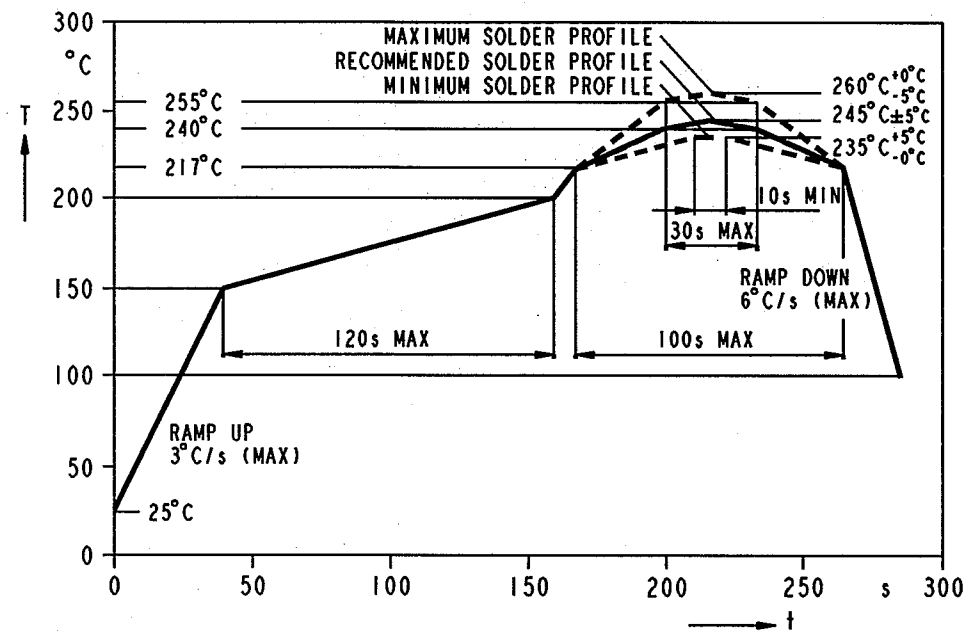


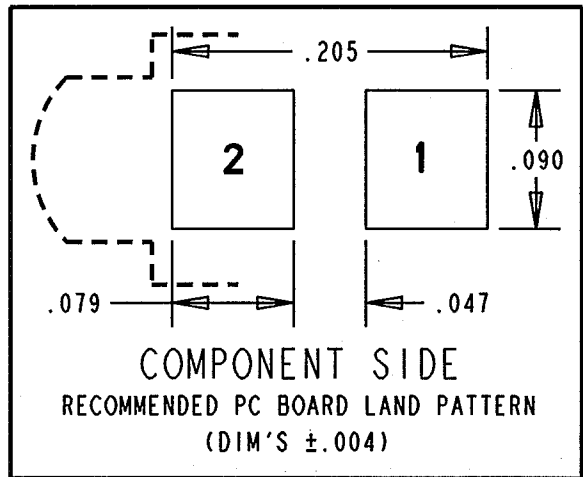
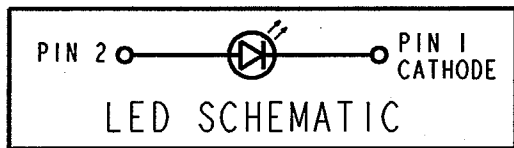
OPERATING CHARACTERISTICS AT 25°C AMBIENT												
COLOR	LUMINOUS INTENSITY @ If = 10 mA (mcd)			FORWARD VOLTAGE TEST CONDITION	FORWARD VOLTAGE (V)		REVERSE VOLTAGE (If=10μA)	DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	
	MIN	TYP	MAX		TYP	MAX	MIN	MIN	TYP	MAX	TYP	
HI. EFF. RED	5.6	9.8	14.0	If = 10 mA	2.0	2.5	12 V	622	628	634	635	
AlGaAs RED	21.6	38.0	56.0	If = 10 mA	1.8	2.5	12 V	—	645	—	660	
HI. INT. GREEN	13.8	24.0	35.8	If = 10 mA	2.0	2.5	12 V	564	570	576	572	
GREEN	7.1	10.6	14.0	If = 10 mA	2.0	2.5	12 V	564	570	576	572	
YELLOW	7.1	12.6	18.0	If = 10 mA	2.0	2.5	12 V	580	587	595	586	
ORANGE	4.5	8.0	11.6	If = 10 mA	2.0	2.5	12 V	600	606	609	610	
BLUE	7.6	12.0	20.0	If = 10 mA	3.5	4.2	5 V	462	465	468	428	
AlInGaP YELLOW	40.0	62.0	—	If = 20 mA	2.0	2.4	12 V	580	587	595	591	
WHITE	80	130	210	If = 10 mA	3.1	3.7	5 V		X .33 Y .33		—	
InGaN GREEN	85	160	—	If = 20 mA	3.4	4.05	5 V	515	525	535	523	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT						
COLOR	POWER DISSIPATION (mW)	CONTINUOUS FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (I ≤ 10μs, D = .005) (mA)	DERATE LINEARLY (mA/°C)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)
HI. EFF. RED	95	30	500	0.75 FROM 60°C	-40 TO +100	-40 TO +100
AlGaAs RED	90	30	500	0.75 FROM 60°C		
HI. INT. GREEN	95	30	500	0.75 FROM 60°C		
GREEN	95	30	500	0.75 FROM 60°C		
YELLOW	95	30	500	0.75 FROM 60°C		
ORANGE	95	30	500	0.75 FROM 60°C		
BLUE	90	20	200	0.44 FROM 55°C		
AlInGaP YELLOW	80	30	200	1.0 FROM 85°C		
WHITE	80	20	200	0.75 FROM 60°C		
InGaN GREEN	115	30	100 (I ≤ 1.0ms, D = 0.1)	0.42 FROM 40°C	-55 TO +100	-55 TO +100



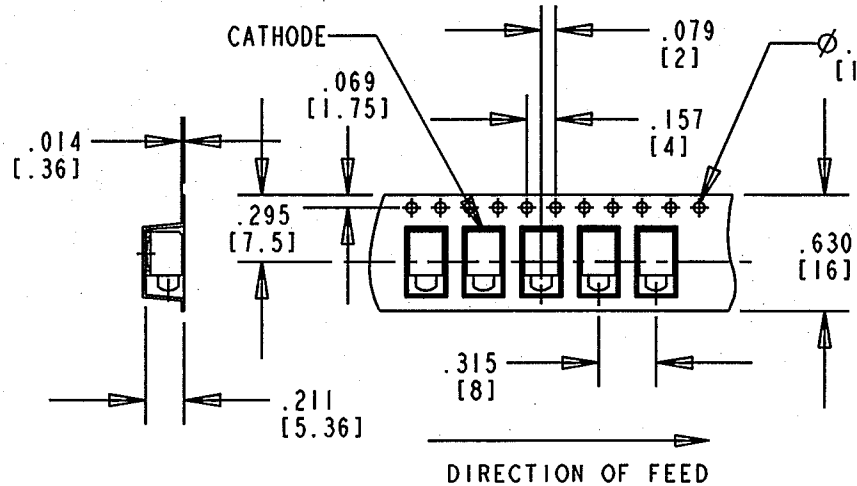
NOTES :

-
- The image contains two mechanical drawings of the LED package:
- Top View (Left):** Shows a square package with a width of .170 and a height of .198. A central rectangular area is defined by a dashed line. The distance from the bottom edge to the center of the package is .125 MAX.
 - Side View (Right):** Shows the profile of the package. Key dimensions include:
 - Top width: .082
 - Top width: .240
 - Height from surface A to the top of the package: .107 ± .005
 - Height from surface A to the bottom of the package: .004 MAX BELOW SURFACE A
 - Height from surface A to the top of the cathode: .007 MAX ABOVE SURFACE A
 - Width of the cathode: .120
 - Distance from the center of the LED to the cathode: ϕ OF LED
- Labels and callouts include:
- SOLDER PLATED TYP**: Points to the bottom of the package.
 - CATHODE ID**: Points to the top of the cathode.
 - LED LEAD SOLDERING SURFACE A**: Points to the bottom surface of the package.



Part Numbers with the "F" suffix ending are RoHS Compliant.

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 591-2001-102F
Packaging is marked with "RoHS Compliant" label or equivalent markings.
Parts can be reflow soldered per RoHS reflow profile, wave soldered,
dip soldered or hand soldered using typical lead-free soldering process
with max 260°C temp. for 5 sec.



Technical drawing of a circular component with dimensions and tolerances:

- Overall diameter: $\varnothing 12.992$ [330]
- Top flange thickness: .827 [21]
- Central hole diameter: .079 [2]
- Bottom flange thickness: .512 [13]
- Top flange outer diameter: .650 [16.51]
- Top flange inner diameter: 3.937 [100]
- Bottom flange outer diameter: .882 M [22.4]
- Label: LABEL
- Quantity: QUANTITY:1600 PCS/REEL

Technical drawing of a reel showing dimensions in inches and millimeters.

Dimensions and Tolerances:

- Ø .827 [21]
- Ø 7.010 [178]
- .079 [2]
- .512 [13]
- .650 [16.51]
- 2.362 [60]
- .882 MA [22.4] AT HUB

Other features:

- LABEL
- QUANTITY: 400 PCS/REEL

7 INCH DIA. REEL SPECIFICATIONS



**ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES**

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.		
SCALE: DRAWING SCALE	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17429	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .02$ DECIMALS (.XXX): $\pm .010$	SURFACE MOUNT CBI - SQUARE LENS RoHS COMPLIANT	
ANGLES: $\pm 3^\circ$	MATERIAL	
FINISH:	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
FSCM 83330	SHEET 1 OF 1	FAMILY TABLES: