

REV.	ECN NO.	REVISIONS	DRN.	CHK.	APP.	DATE
A		NEW RELEASE	YIS			

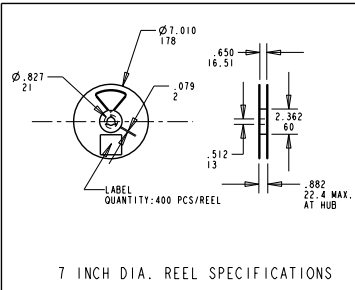
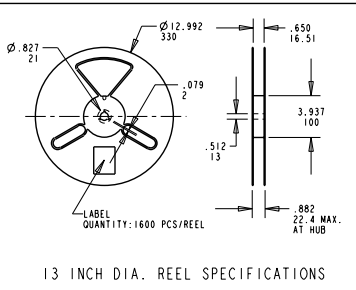
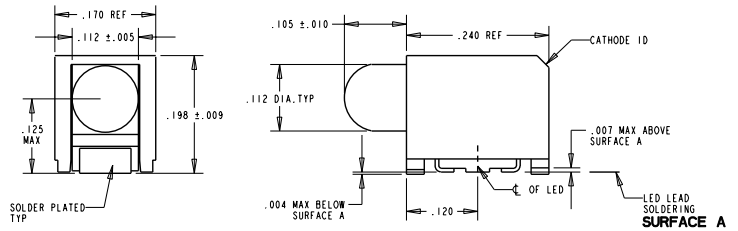
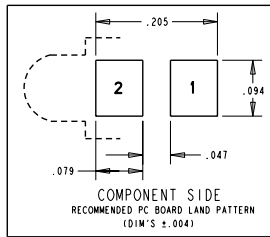
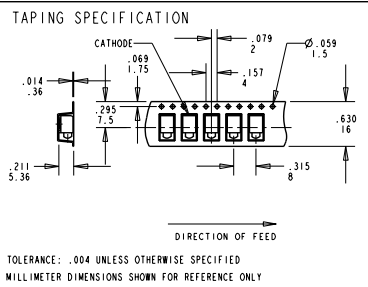
- NOTES :
- MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY
  - PAD NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART
  - STORAGE CONDITIONS FOR TAPED PRODUCT, RE-TAPING MAY BE NECESSARY FOR PRODUCTS STORED MORE THAN TWELVE MONTHS
  - ORDER QUANTITY IS LED ASSEMBLIES, NOT REELS
  - ...002 SUFFIX MEANS PARTS ARE PACKED ON A 20 PCS SAMPLE STRIP  
...001 SUFFIX MEANS PARTS ARE PACKED ON A 7 INCH REEL, 400 PCS/REEL  
...013 SUFFIX MEANS PARTS ARE PACKED ON A 13 INCH REEL, 1600 PCS/REEL
  - LENS MOVEMENT IN RELATIONSHIP TO THE HOUSING IS:  
.009" T.I.R. VERTICALLY  
.007" T.I.R. HORIZONTALLY
  - FRONT AND REAR TERMINALS OF THE ASSEMBLY TO BE WITHIN .005 COPLANARITY
  - LED LEAD FRAME MATERIAL:  
CORE MATERIAL : COPPER  
1st PLATING : Ag-100% , THICKNESS ABOUT 90 MICRO-INCH  
2nd PLATING : 90% Sn - 10% Pb , THICKNESS RANGE 200 to 800 MICRO-INCH
  - PLACE MOISTURE SENSITIVITY LEVEL "2" LABEL TO OUTSIDE BAG OF ALL 591-2XX1-007 AND 591-2XX1-013, LABEL P/N 9100-117-0579-99.
  - ATTENTION : OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.
  - DIALIGHT PART NUMBERS :  
591-2801-002 591-2801-007 591-2801-013

OPERATING CHARACTERISTICS AT 25 °C AMBIENT

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY		19.23		mc/d	$I_f = 10 \text{ mA}$
FORWARD VOLTAGE		3.5	4.2	V	$I_f = 20 \text{ mA}$
REVERSE CURRENT		.01	10	$\mu\text{A}$	$V_R = 5 \text{ V}$
COLOR COORDINATES	X	.29	.32		$I_f = 20 \text{ mA}$
	Y	.22	.31	.42	

ABSOLUTE MAXIMUM RATINGS AT 25 °C AMBIENT

POWER DISSIPATION	85 mW
CONTINUOUS FORWARD CURRENT	20 mA
DERATE LINEARLY FROM 75 °C	.6 mA/°C
PEAK REVERSE VOLTAGE	5V
SOLDERING PROFILE: IR - 235 °C PEAK, - 15 SEC., 185 °C - 90 SEC. MAX.	
OPERATING TEMPERATURE	-40 °C TO +100 °C
STORAGE TEMPERATURE	-40 °C TO +100 °C



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SCALE: DRAWING SCALE	DRAWING NUMBER
ALL DIM'S IN: INCHES (MM)	C-16901
TOLERANCES: UNLESS OTHERWISE SPECIFIED	REV
FRACTIONS: 1/164	A
DECIMALS: 1.000; ±.01	TITLE
DECIMALS: 1.0000; ±.005	SURFACE MOUNT CB1 - ROUND LENS
ANGLES: .5°	MATERIAL
FINISH:	Dialight
FSCM 83330	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
SHEET	OF
FAMILY TABLES:	