

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Dialight](#)  
[5912801013](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A		NEW RELEASE				

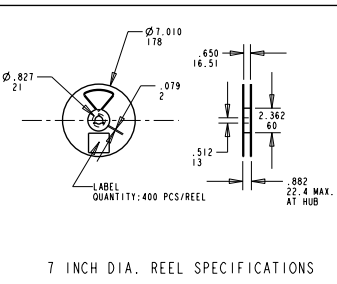
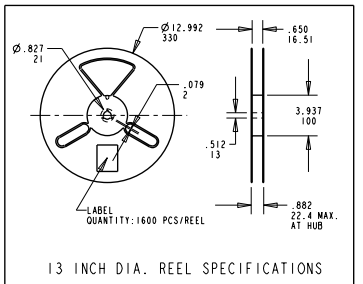
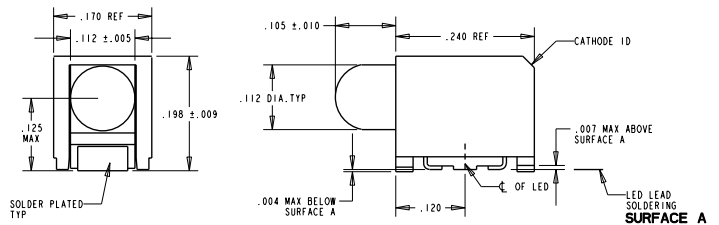
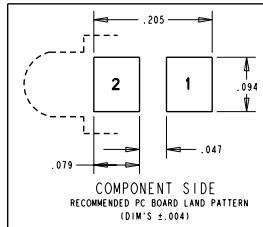
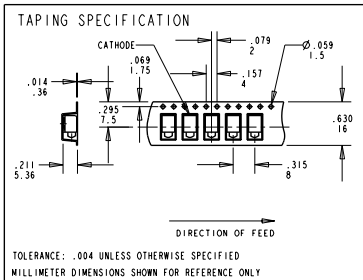
- NOTES :
- MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY
  - PAD NUMBERS ARE FOR REFERENCE ONLY . DESIGNATION NON-EXISTENT ON PART
  - STORAGE CONDITIONS FOR TAPED PRODUCT: RE-TAPING MAY BE NECESSARY FOR PRODUCTS STORED MORE THAN TWELVE MONTHS
  - ORDER QUANTITY IS LED ASSEMBLIES . NOT REELS
  - ...002 SUFFIX MEANS PARTS ARE PACKED ON A 20 pc 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 : Au-100% . THICKNESS ABOUT 80 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		mcđ	I <sub>f</sub> = 10 mA
FORWARD VOLTAGE		3.5	4.2	V	I <sub>f</sub> = 20 mA
REVERSE CURRENT		.01	10	µA	V <sub>r</sub> = 5 V
COLOR COORDINATES	X	.29	.32		I <sub>f</sub> = 20 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	REV
ALL DIM'S IN: (MMES (MM))	C-16901	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE SURFACE MOUNT CBI - ROUND LENS	
FRACTIONS: 1/16	MATERIAL	
DECIMALS (1.1XX): 0.01	FINISH:	
DECIMALS (1.1XX): 0.005	Dialight	
DECIMALS (1.1XX): 0.0005	1504 ROUTE 34 SOUTH	
FINISH:	FARMINGDALE, NJ 07727	
FSCW 83330	SHEET	OF FAMILY TABLES: