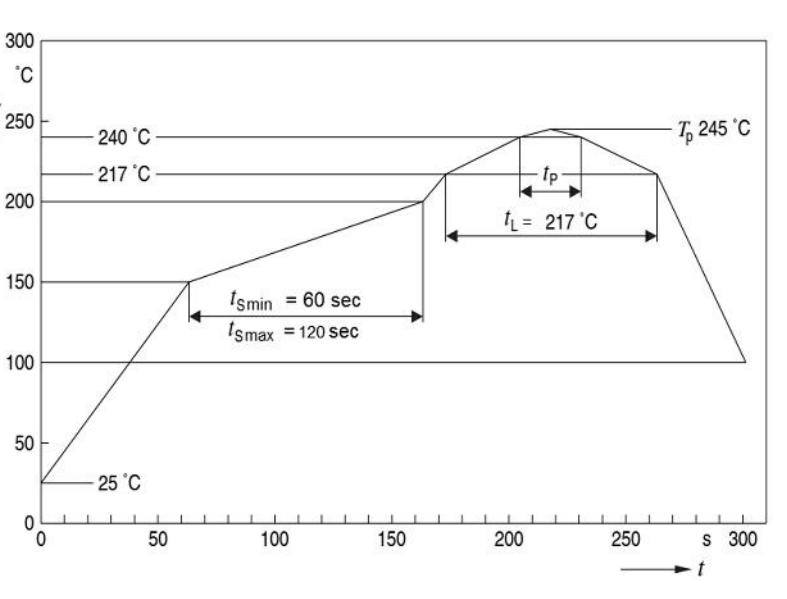
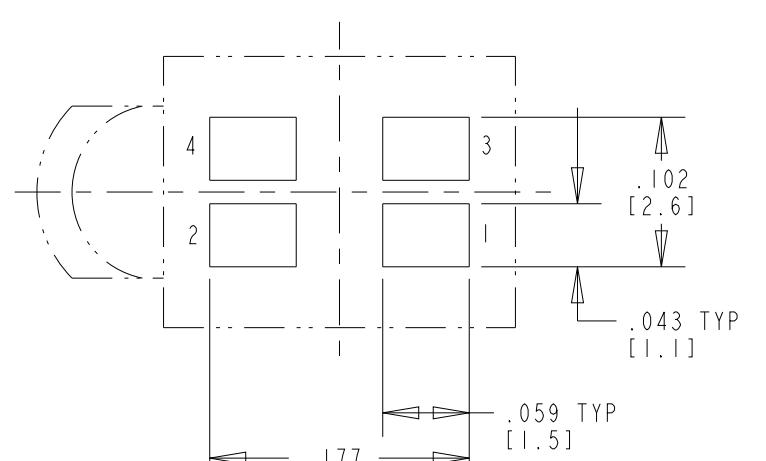


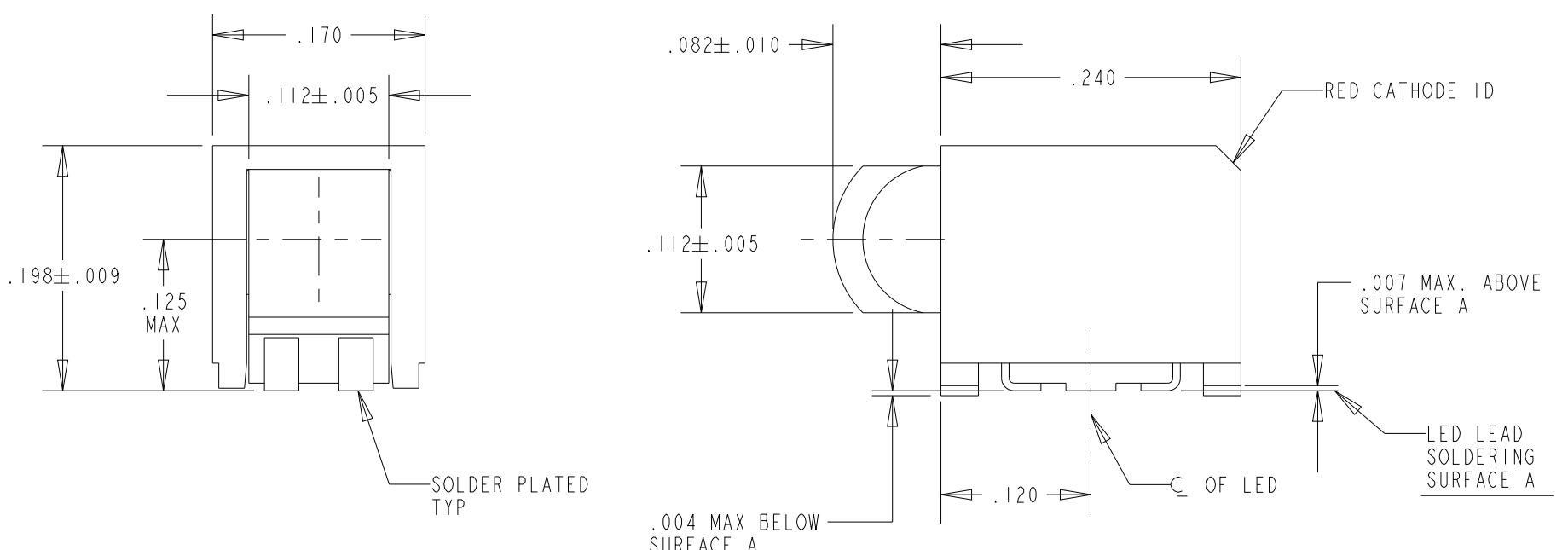
OPERATING CHARACTERISTICS AT 25°C AMBIENT												
LED COLOR		LUMINOUS INTENSITY @ $I_F = 10$ mA (mcd)			FORWARD VOLTAGE @ $I_F = 2$ mA (V)		REVERSE CURRENT (μA) V = 12V		DOMINANT WAVELENGTH (nm)			
		MIN	TYP	MAX	TYP	MAX	TYP	MAX	MIN	TYP		
RED/GRN	RED	—	17	—	1.8	2.2	0.01	10	624	630		
	GREEN	—	13	—					566	570		
									575			
									572			



REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	—	NEW RELEASE	TWC	—	—	8-8-05
B	—	UPDATED SOLDER PROFILE, REVERSE VOLTAGE	BP	—	NO	8-8-17
C	—	UPDATED LED SPECS FOR THE NEW LED	BP	—	NO	8-23-17
D	—	UPDATED CONTINUOUS FORWARD CURRENT WAS 30 mA	BP	—	NO	1-15-18

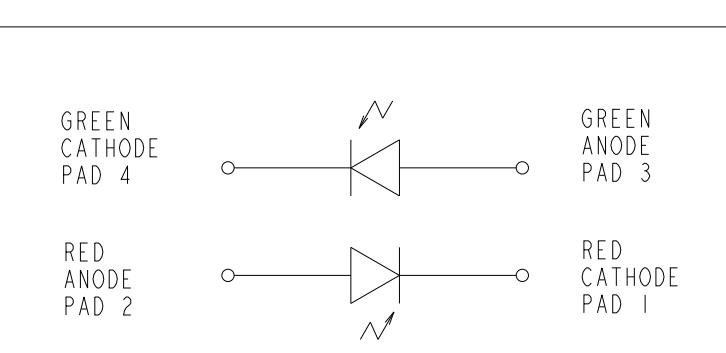
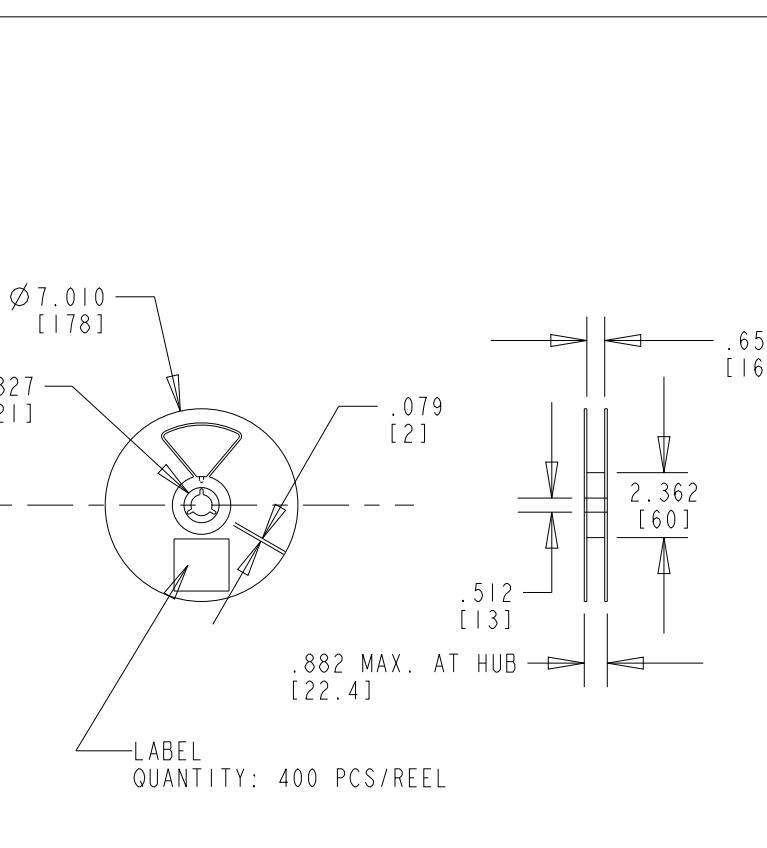
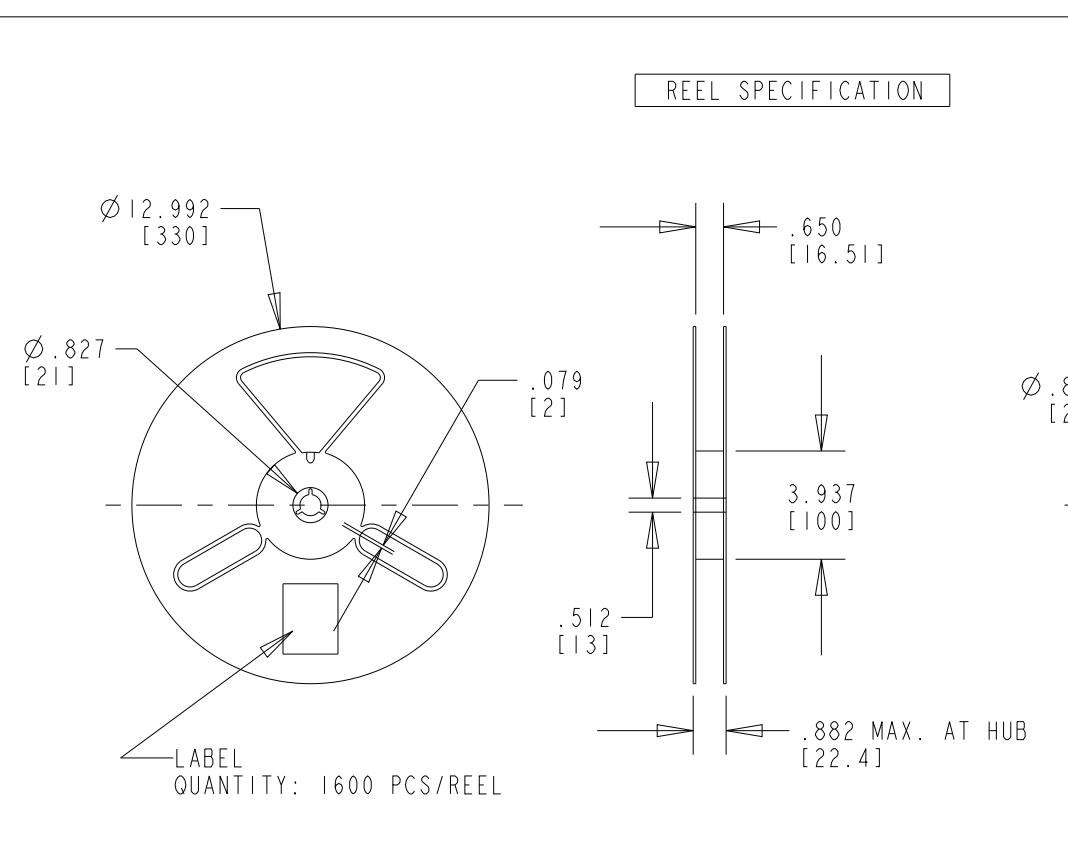
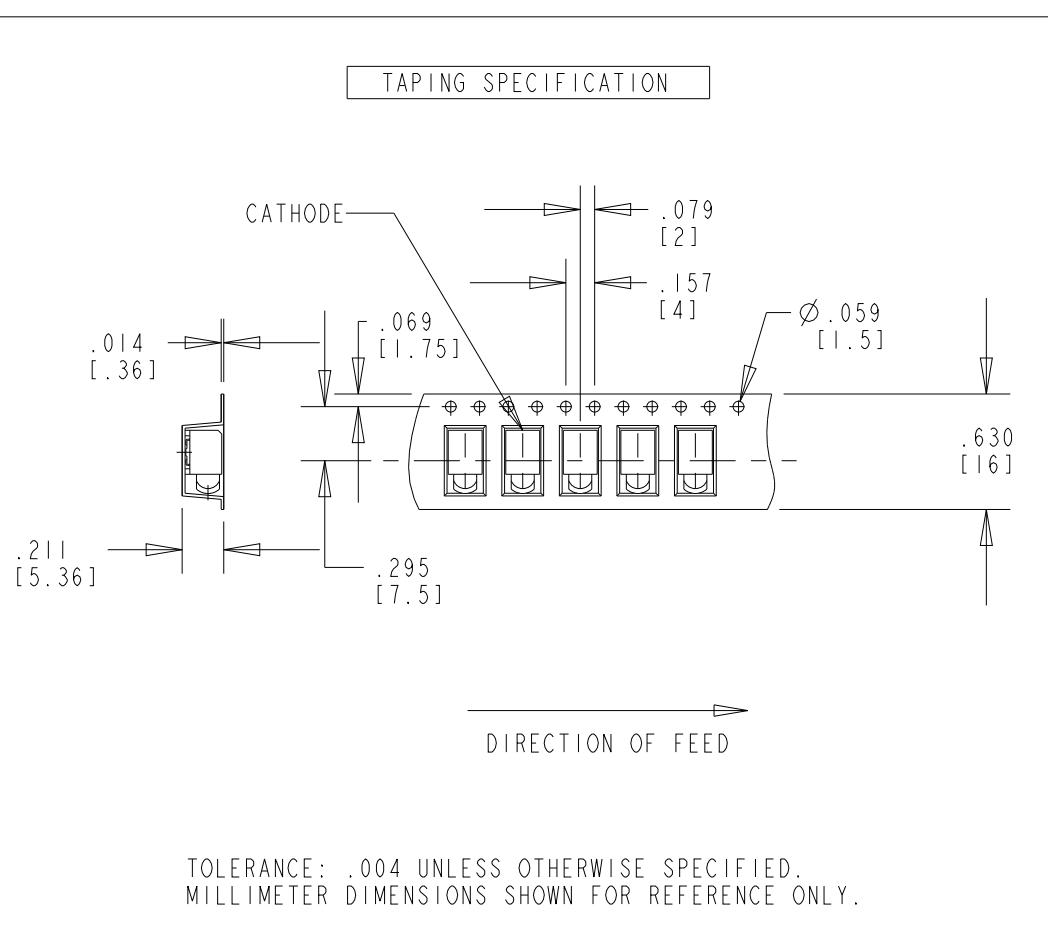
ABSOLUTE MAXIMUM RATINGS AT 25 °C AMBIENT	YELLOW	GREEN	UNITS
CONTINUOUS FORWARD CURRENT	15		mA
REVERSE VOLTAGE	12		V
SURGE CURRENT	100		mA
PEAK SOLDERING TEMPERATURE	245		°C
OPERATING TEMPERATURE	-40 TO +100		°C
STORAGE TEMPERATURE	-40 TO +100		°C
TIME ABOVE LIQUIDUS TEMPERATURE (t_L)	80 Seconds Minimum 100 Seconds Maximum		S
TIME WITHIN 5°C OF SPECIFIED PEAK TEM ($T_P - 5^\circ\text{C}$)	10 Seconds Minimum 30 Seconds Maximum		S
PEAK TEMPERATURE T_P	245 Recommended 260 Maximum		°C
RAMP-UP RATE TO PREHEAT (25°C TO 150°C)	2 °C/s Recommended 3 °C/s Max		°C/s
RAMP-UP RATE TO PEAK (T_{Smax} to T_P)			
RAMP-DOWN RATE (T_P to 100°C)	3 °C/s Recommended 6 °C/s Max		°C/s
TIME (25°C to T_P)	480 Seconds Maximum		s

COMPONENT SIDE
RECOMMENDED PC BOARD LAND PATTERN
(DIM'S + .004)



NOTES:

1. MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
2. PAD NUMBERS FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PART.
3. STORAGE CONDITIONS FOR TAPE PRODUCT: RE-TAPING MAY BE NECESSARY FOR PRODUCT STORED MORE THAN TWELVE MONTHS.
4. LEADS: TIN (Sn) OVER NICKEL (Ni) ON COPPER ALLOY (Cu)
5. ORDER QUANTITY IS LED ASSEMBLIES. NOT REELS.
6. -102F SUFFIX MEANS PARTS ARE PACKED ON A 20 PCS SAMPLE STRIP.
-107F SUFFIX MEANS PARTS ARE PACKED ON 7 INCH REEL, 400 PCS/REEL.
-113F SUFFIX MEANS PARTS ARE PACKED ON A 13 INCH REEL. 1600 PCS/REEL.
7. LENS MOVEMENT IN RELATIONSHIP TO THE HOUSING IS:
.009" T.I.R. VERTICALLY.
.007" T.I.R. HORIZONTALLY.
8. FRONT AND REAR TERMINALS OF ASSEMBLY TO BE WITHIN .005 COPLANARITY.
9. DIALIGHT PART NUMBER: 591-3001-102F, 591-3001-107F, 591-3001-113F.
10. DEVICE HAS A MOISTURE SENSITIVITY LEVEL "2" CAUTION LABEL APPLIED AS PER JEDEC STD. 033.
11. THIS PRODUCT IS RoHS COMPLIANT (Pb FREE). EACH BAG AND REEL IS MARKED WITH THE RoHS COMPLIANT LABEL P/N 9100-117-0852-99 OR EQUIVALENT MARKINGS



THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP.

SCALE: DRAWING	DRAWING NUMBER	REV
DIM'S IN: INCHES (MM)	C-17282	
ANCES: SS OTHERWISE SPECIFIED		
CTIONS: $\pm 1/64$	TITLE 3mm PRISM SURFACE MOUNT CBI	
MALS (.XX): $\pm .01$	RoHS COMPLIANT	
MALS (.XXX): $\pm .005$	MATERIAL	
MALS (.XXXX): $\pm .0005$		
ES: $\pm 1^\circ$		
SH	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	