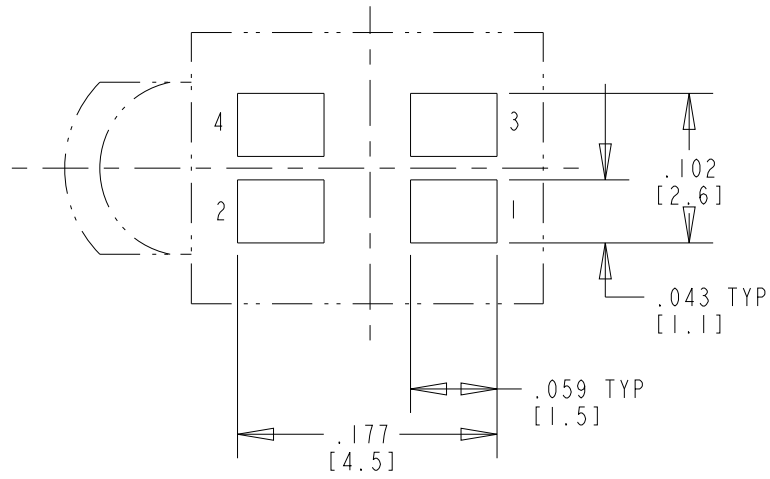
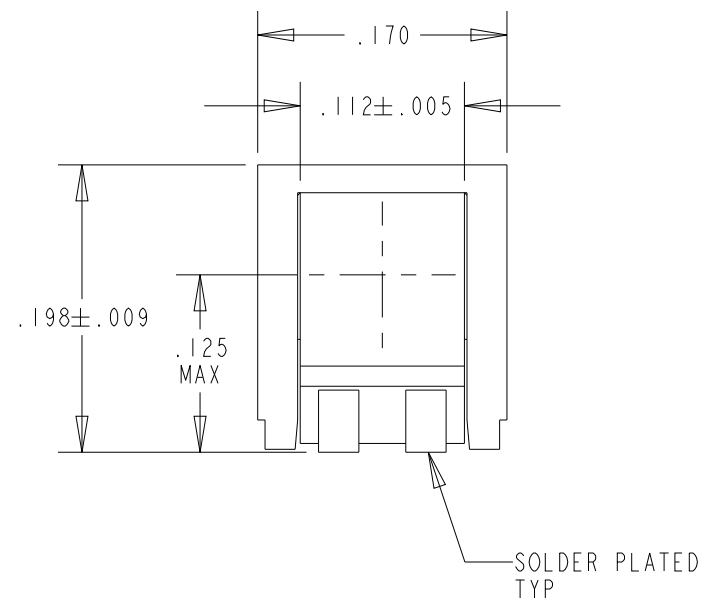
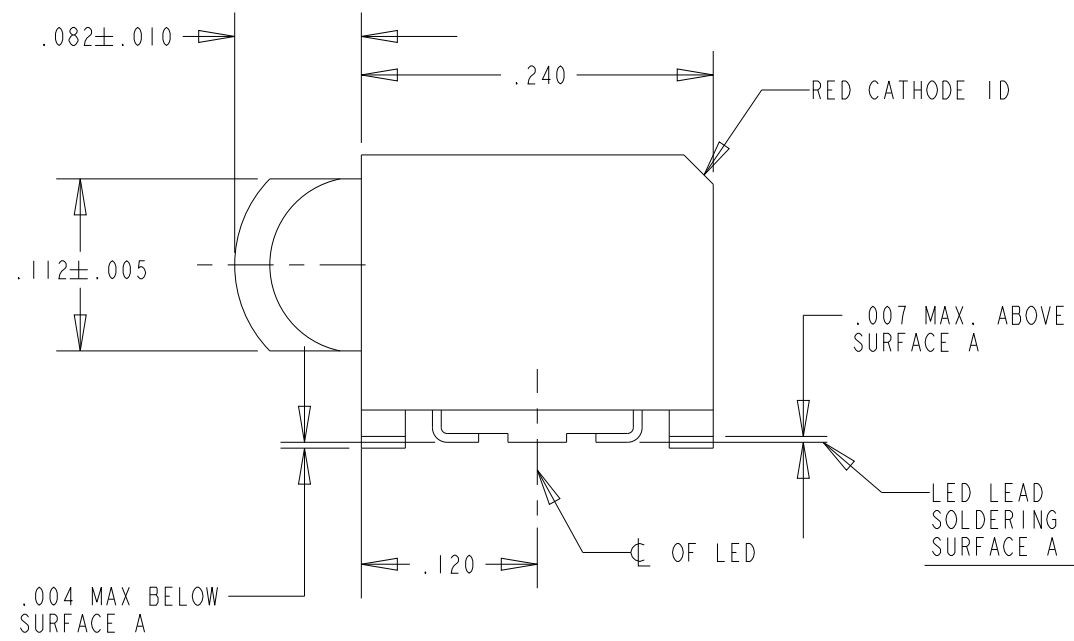


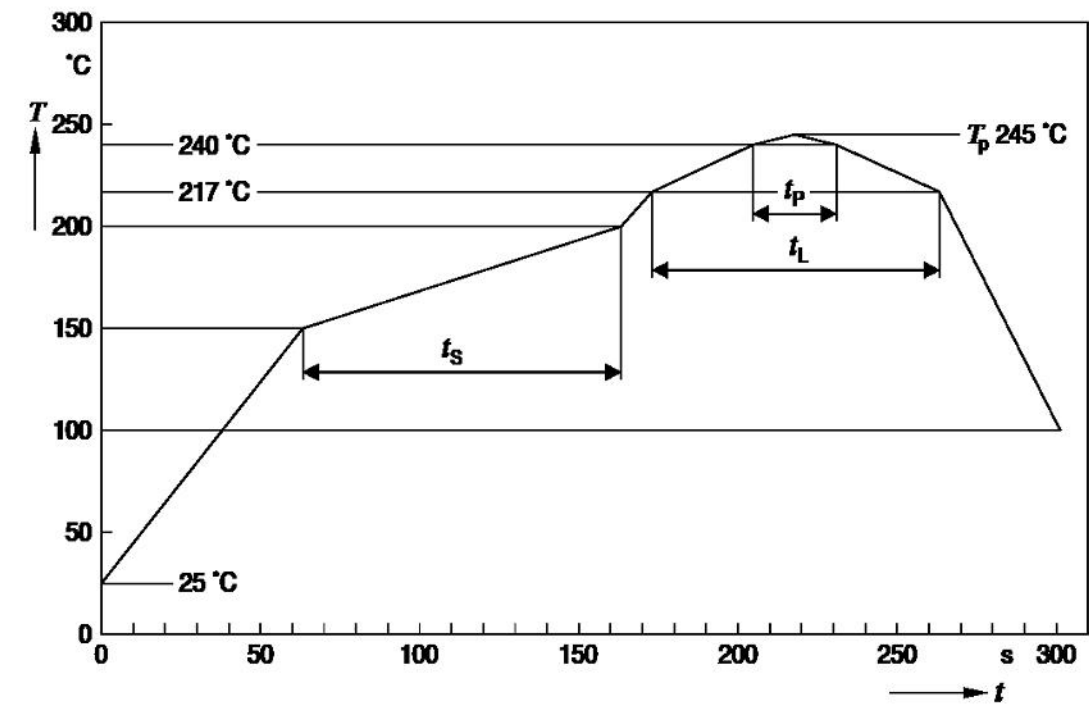
OPERATING CHARACTERISTICS AT 25°C AMBIENT													
LED COLOR	LUMINOUS INTENSITY @I _f = 10 mA (mcd)			FORWARD VOLTAGE @I _f = 2 mA (V)		REVERSE CURRENT (μA) V = 12V		DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)		
	MIN	TYP	MAX	TYP	MAX	TYP	MAX	MIN	TYP	MAX	TYP		
	591-3001-860F	RED/GRN	RED	—	17	—	1.8	2.2	0.01	10	624	630	636
591-3001-861F	RED/GRN	GREEN	—	13	—	—	—	—	—	566	570	575	572
591-3101-862F	YLW/GRN	YELLOW	—	20	—	1.8	2.2	0.01	10	580	587	595	591
591-3101-863F	YLW/GRN	GREEN	—	13	—	—	—	—	—	566	570	575	572



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



ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	RED/GRN	YLW/GRN	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°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 _{max} 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

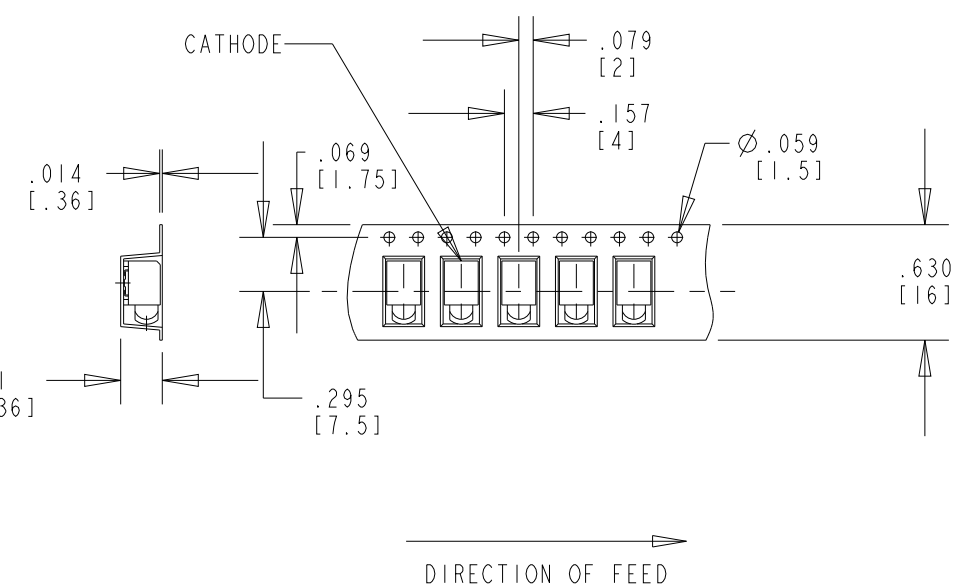


RECOMMENDED SOLDER PROFILE

NOTES:

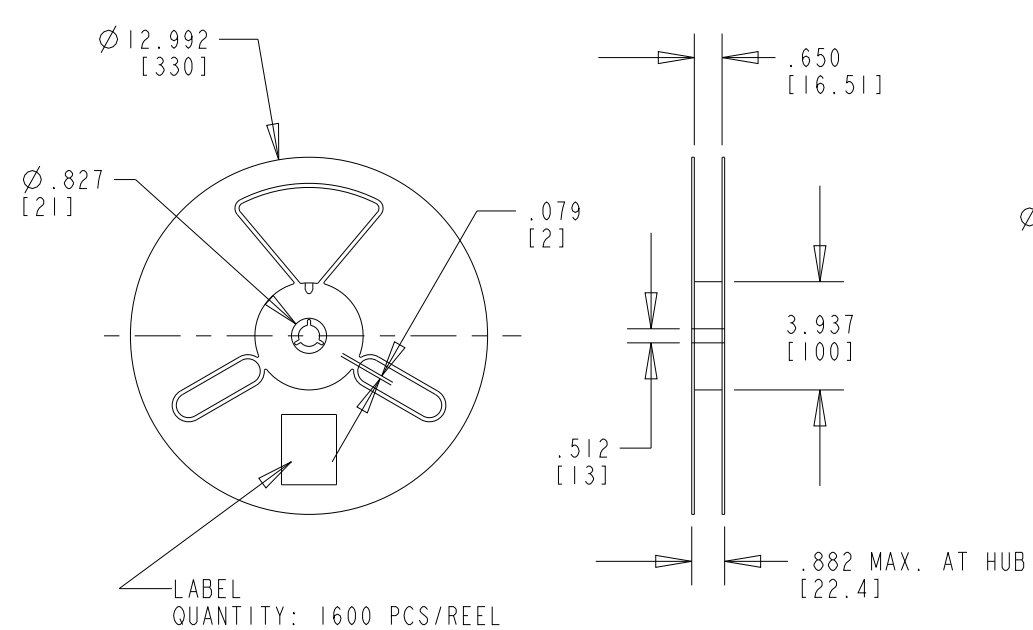
- MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
- PAD NUMBERS FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PART.
- STORAGE CONDITIONS FOR TAPED PRODUCT: RE-TAPING MAY BE NECESSARY FOR PRODUCT STORED MORE THAN TWELVE MONTHS.
- 860F & 862F SUFFIX MEANS PARTS ARE PACKED ON A 13 INCH REEL, 1600 PCS/REEL. -861F & 863F SUFFIX MEANS PARTS ARE PACKED ON A 7 INCH REEL, 400 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 ASSEMBLY TO BE WITHIN .005 COPLANARITY.
- DIALIGHT PART NUMBER: 591-3001-860F, 591-3001-861F, 591-3101-862F, 591-3101-863F
- DEVICE HAS A MOISTURE SENSITIVITY LEVEL "2" CAUTION LABEL APPLIED AS PER JEDEC STD. 033.
- 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.

TAPING SPECIFICATION

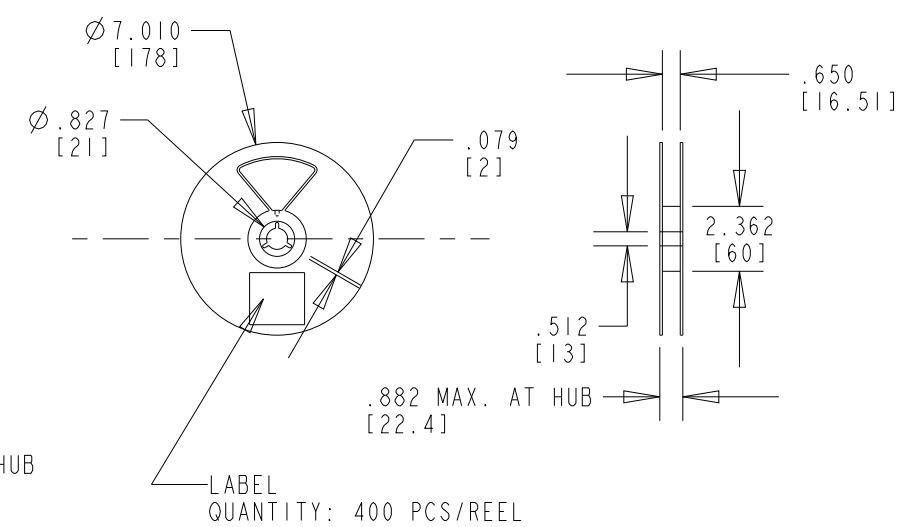


TOLERANCE: .004 UNLESS OTHERWISE SPECIFIED.
MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.

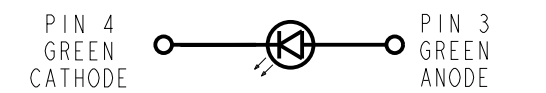
REEL SPECIFICATION



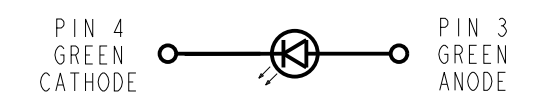
13 INCH DIA. REEL SPECIFICATIONS



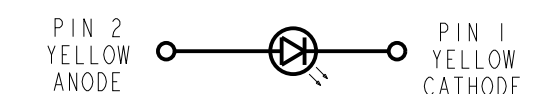
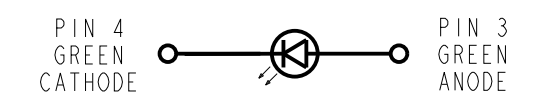
7 INCH DIA. REEL SPECIFICATIONS



LED SCHEMATIC FOR R/G



LED SCHEMATIC FOR Y/G



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SCALE: DRAWING SCALE	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-18341	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 3mm PRISM R/G, Y/G (LOW CURRENT) ROUND LENS, RoHS COMPLIANT	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (.XX): ±.01	FINISH	
DECIMALS (.XXX): ±.005	FSCM 83330	
DECIMALS (.XXXX): ±.0005	SHEET 1 OF 1 FAMILY TABLE:	
ANGLES: ±1°	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	