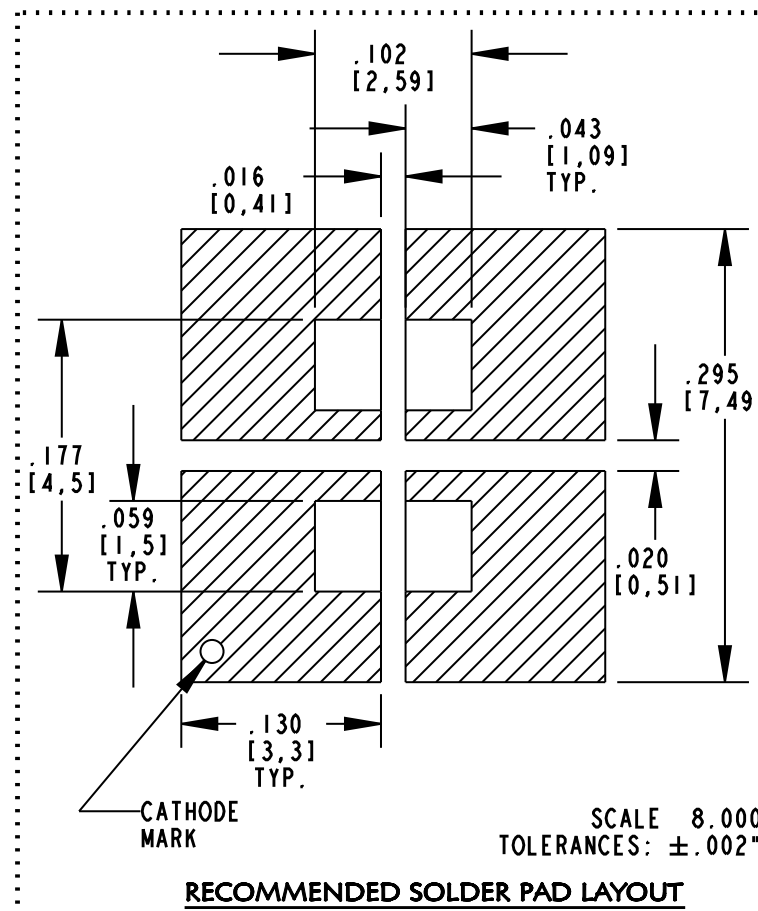
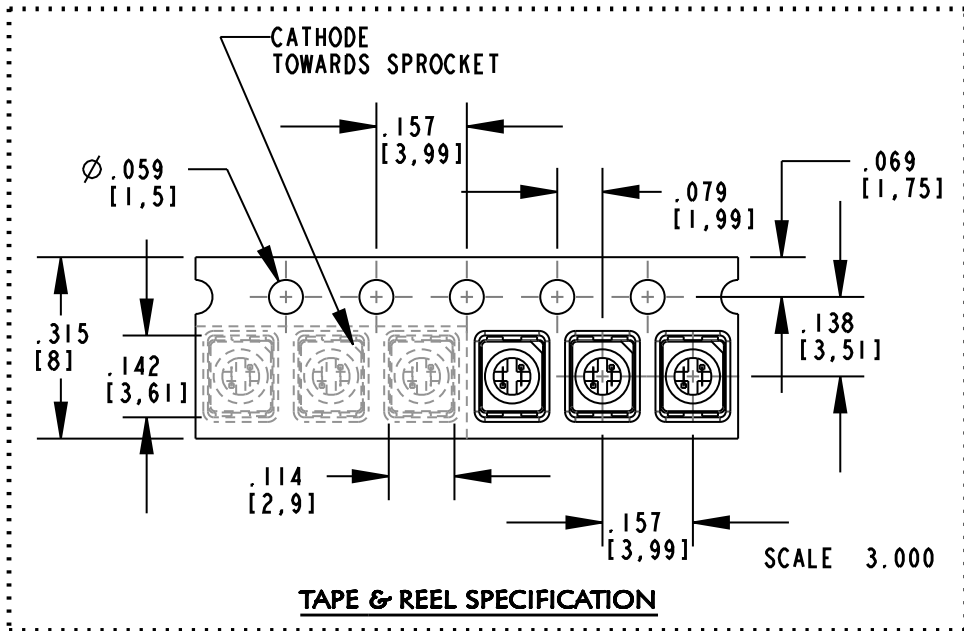
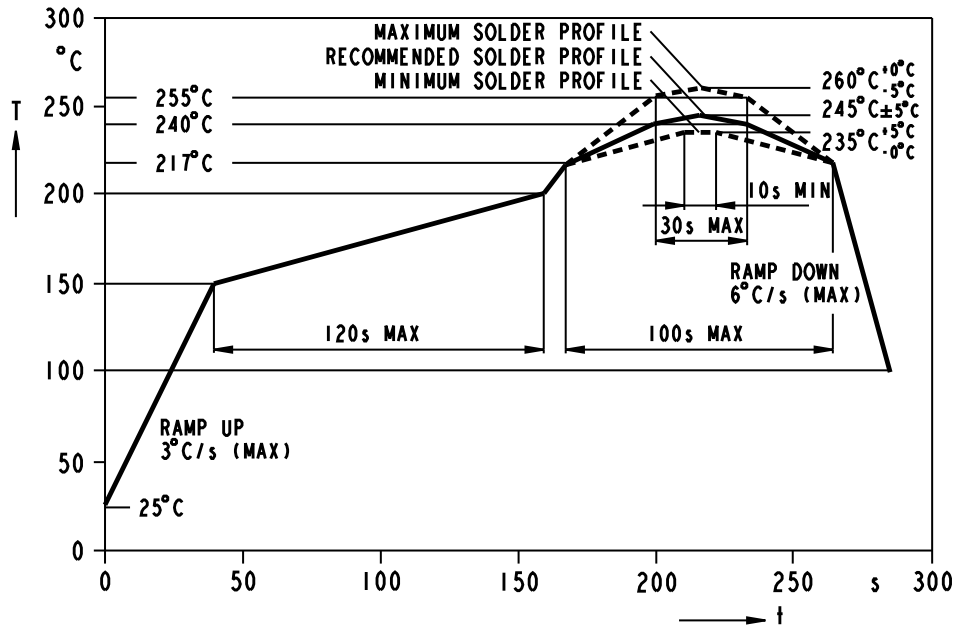
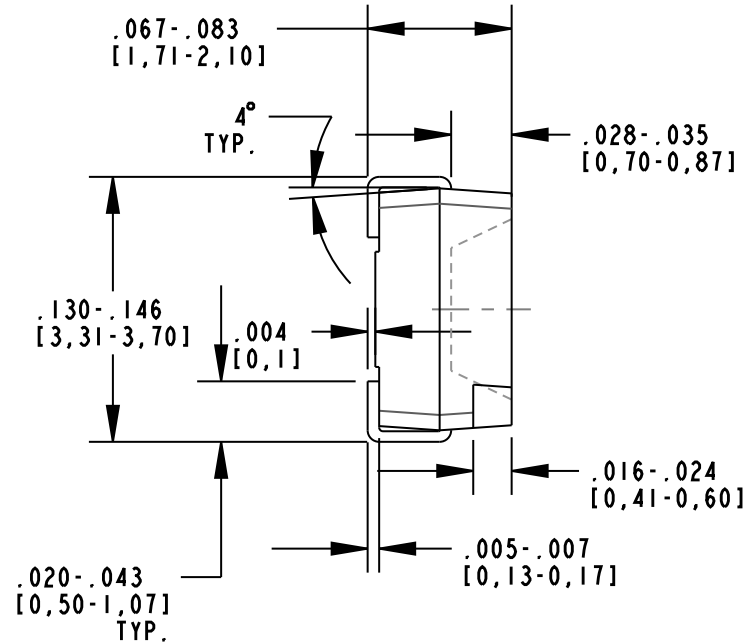
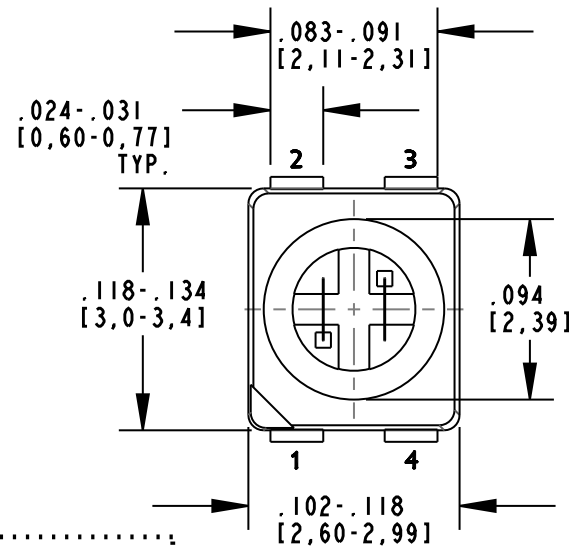
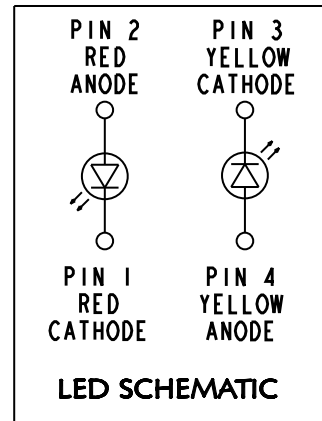


DIALIGHT PART NUMBER	PACKAGING
597-7731-202F	SAMPLE STRIP
597-7731-207F	7" REEL

**RoHS COMPLIANT 597-7731-20XF**  
 Part Numbers with the "F" suffix ending are RoHS Compliant.  
 For example: 597-7731-202F  
 Reel and bag packaging are marked with "RoHS Compliant" label or equivalent markings. These parts can be used with RoHS reflow profile. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	AJF	KLJ	NO	5-19-11



- NOTES:
- DIALIGHT PART NUMBER: 597-7731-20XF.
  - LED DIE: AlInGaP RED AND YELLOW.
  - LED EPOXY COLOR: WATER CLEAR.
  - 202F SUFFIX FOR 20 PCS ON A SAMPLE STRIP.
  - 207F SUFFIX FOR 7" DIA. REEL WITH 2000 PCS/REEL.
  - TAPE & REEL PARTS MAY REQUIRE RE-TAPING AFTER 12 MONTHS.
  - MOISTURE SENSITIVITY LEVEL: 2.
  - PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
  - LABEL TO INCLUDE: DIALIGHT P/N, QTY./REEL, DATE CODE, INTENSITY BIN, LOT NUMBER AND COUNTRY OF ORIGIN.

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	SUPER RED	YELLOW	UNITS
POWER DISSIPATION	80		mW
PEAK FORWARD CURRENT (1/200 DUTY CYCLE, 10μs PULSE WIDTH)	1000	200	mA
CONTINUOUS FORWARD CURRENT	30		mA
REVERSE VOLTAGE	12		V
REFLOW SOLDERING TEMPERATURE FOR 10 SEC.	260		°C
OPERATING TEMPERATURE	-40 TO +100		°C
STORAGE TEMPERATURE	-40 TO +100		°C

OPERATING CHARACTERISTICS AT 25°C AMBIENT												
LED COLOR	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)			LUMINOUS INTENSITY (mcd) @ I <sub>f</sub> =20mA			FORWARD VOLTAGE (V) @ I <sub>f</sub> =20mA			REVERSE CURRENT (μA)	VIEWING ANGLE (DEGREES)
		TYP	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP		
SUPER RED	645	627	633	639	56.0	112.0	140.0	1.8	2.0	2.3	10	120
YELLOW	591	580	587	595	90.0	140.0	224.0	1.9	2.0	2.4	10	120

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SCALE: 10.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17921	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE SUPER RED / YELLOW	
FRACTIONS: ±1/64	MATERIAL PLCC-4 SMT LED	
DECIMALS (.XX): ±.01	FINISH:	
DECIMALS (.XXX): ±.005	FSCM 83330	
DECIMALS (.XXXX): ±.0005	SHEET 1 OF 1	
ANGLES: ±1°	FAMILY TABLE:	
	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	