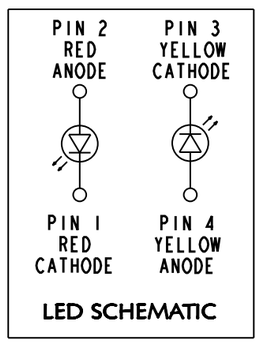
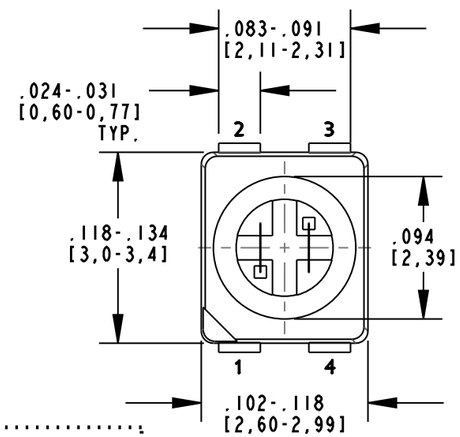
DIALIGHT PART NUMBER	PACKAGING
597-7731-202F	SAMPLE STRIP
597-7731-207F	7" REEL

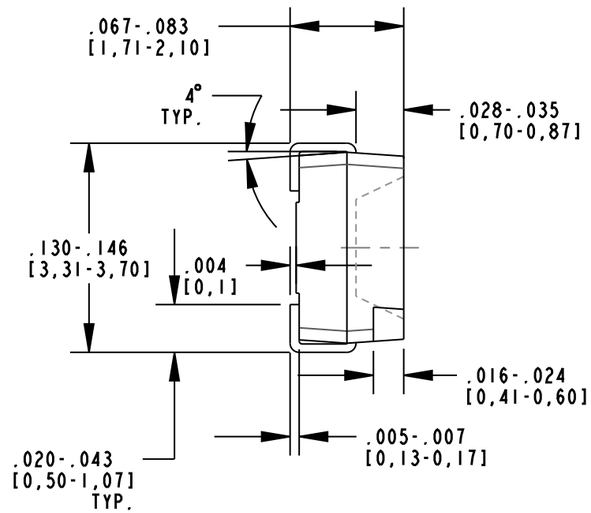
RoHS COMPLIANT 597-7731-20XF

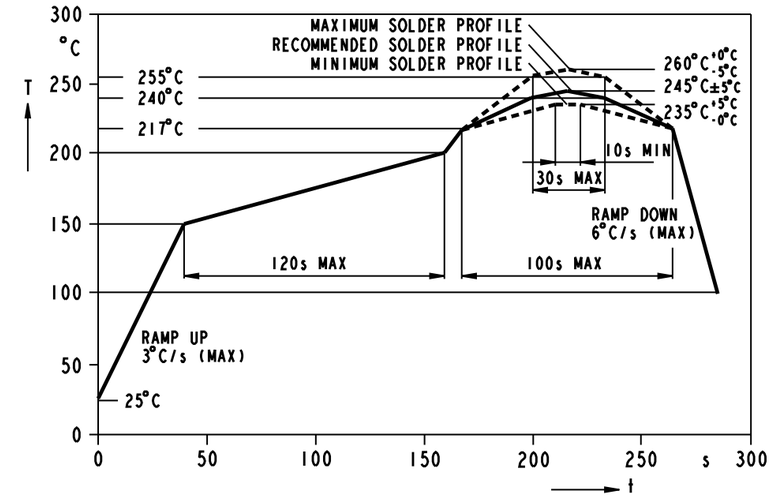
Part Numbers with the "F" suffix ending are RoHS Compliant.
For example: 597-7731-202F
Reel and bag packaging are marked with "RoHS Compliant" label or equivalent markings. These parts can be used with RoHS reflow profile. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free 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

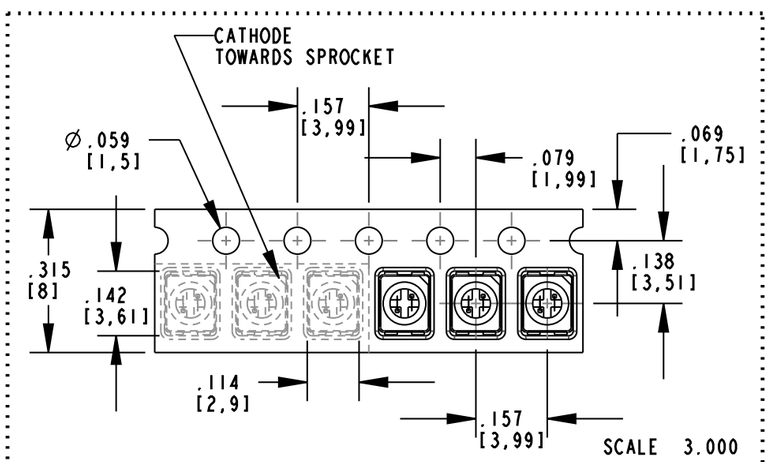




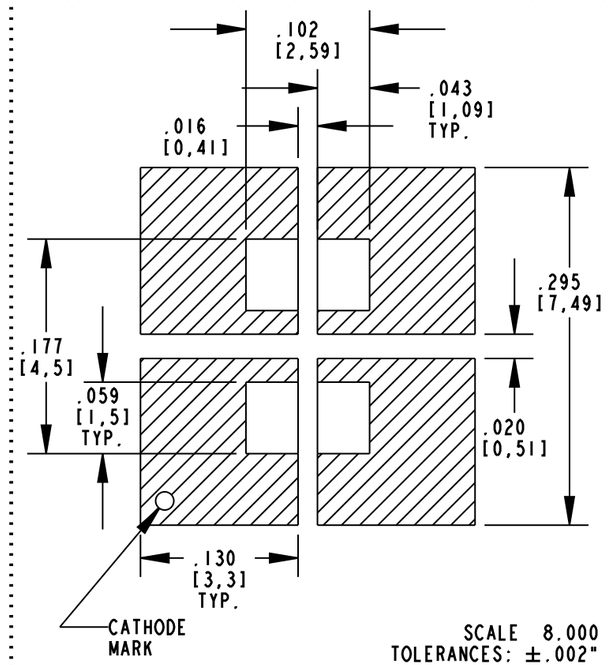




RECOMMENDED RoHS COMPLIANT REFLOW PROFILE



TAPE & REEL SPECIFICATION



RECOMMENDED SOLDER PAD LAYOUT

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) @ IF=20mA			FORWARD VOLTAGE (V) @ IF=20mA			REVERSE CURRENT (μA)	VIEWING ANGLE (DEGREES)
	TYP	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MAX	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

NOTES:

1. DIALIGHT PART NUMBER: 597-7731-20XF.
2. LED DIE: AlInGaP RED AND YELLOW.
3. LED EPOXY COLOR: WATER CLEAR.
4. -202F SUFFIX FOR 20 PCS ON A SAMPLE STRIP.
5. -207F SUFFIX FOR 7" DIA. REEL WITH 2000 PCS/REEL.
6. TAPE & REEL PARTS MAY REQUIRE RE-TAPING AFTER 12 MONTHS.
7. MOISTURE SENSITIVITY LEVEL: 2.
8. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
9. LABEL TO INCLUDE: DIALIGHT P/N, QTY./REEL, DATE CODE, INTENSITY BIN, LOT NUMBER AND COUNTRY OF ORIGIN.

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

SCALE: 10.000
ALL DIM'S IN: INCHES (MM)
TOLERANCES: UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.01
DECIMALS (.XXX): ±.005
DECIMALS (.XXXX): ±.0005
ANGLES: ±1°
FINISH: -
FSCM 83330

DRAWING NUMBER C-17921
REV A
TITLE SUPER RED / YELLOW PLCC-4 SMT LED
MATERIAL -

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727

SHEET 1 OF 1
FAMILY TABLE: