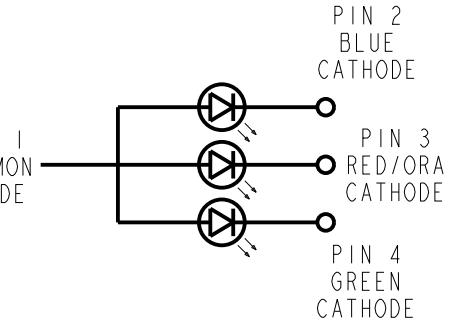
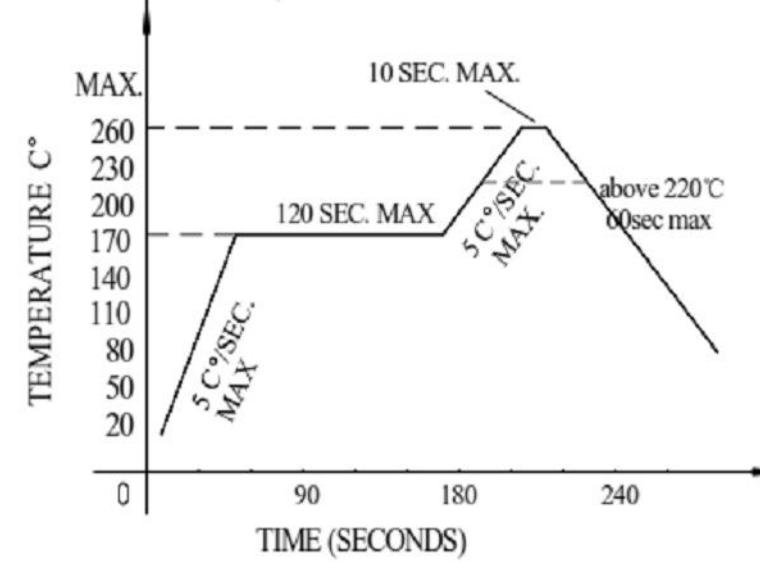
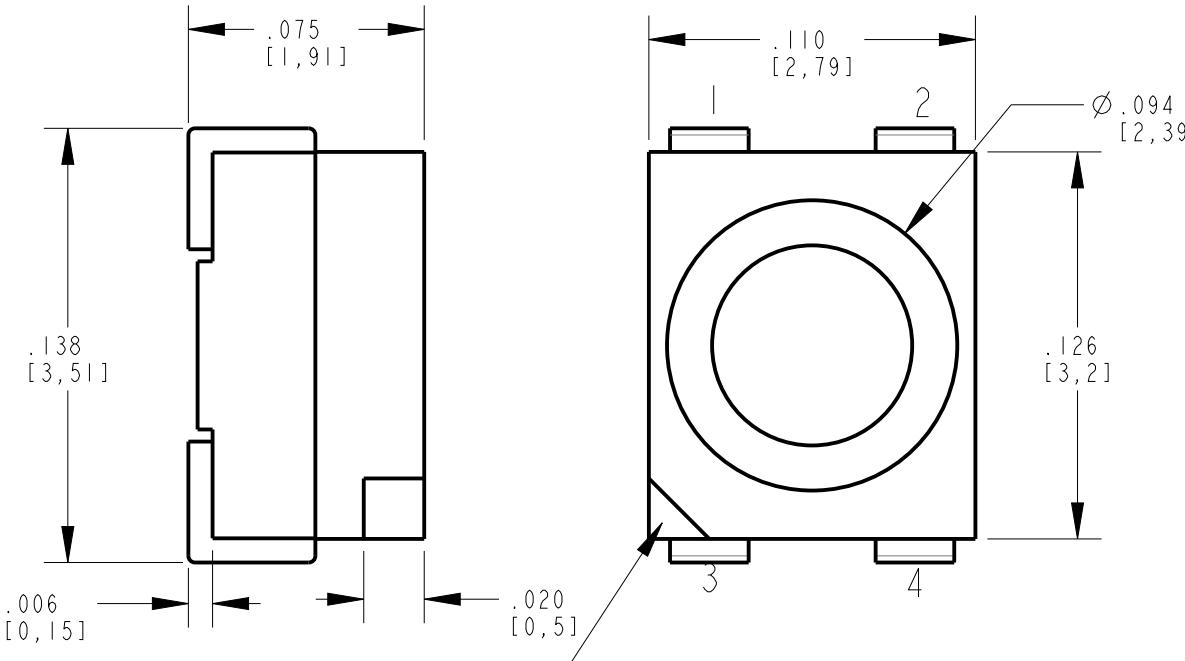
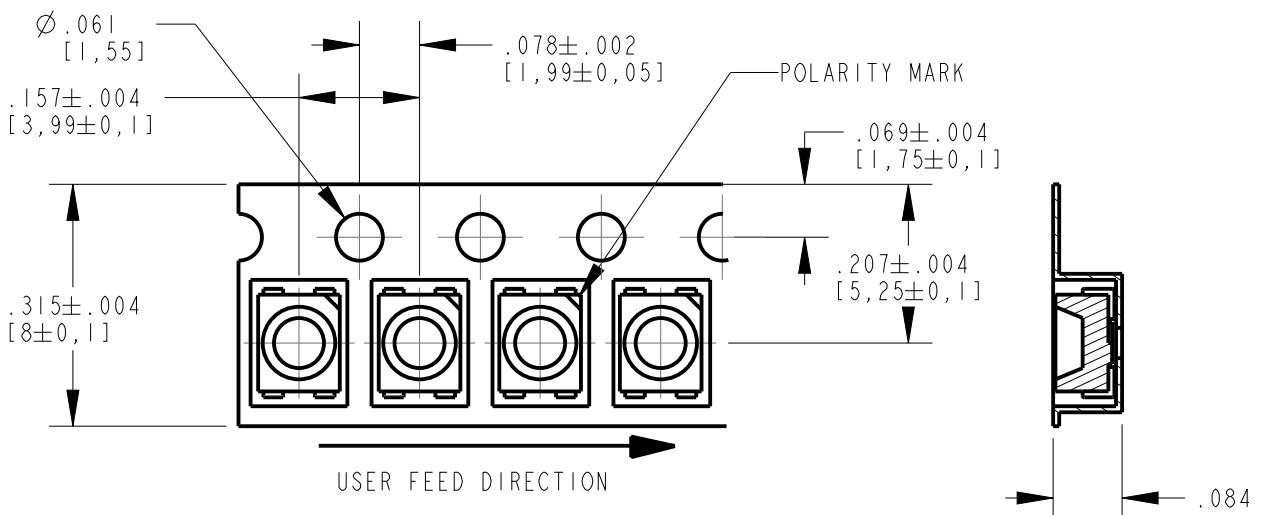


REV	ECN NO	REVISIONS	DRN	CKD	APP	QA	CM	DATE
A	---	NEW RELEASE	BP	—	NO	—	—	1-30-17



LED SCHEMATIC

RECOMMENDED RoHS SOLDER PROFILE

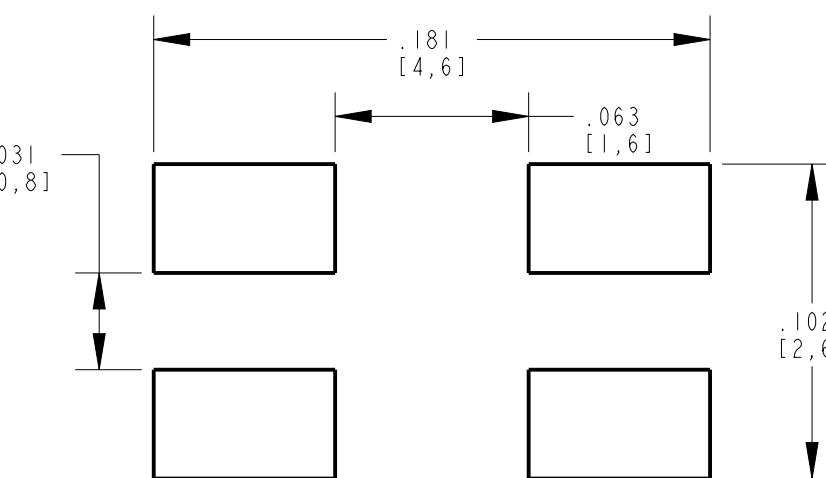


TAPING SPECIFICATIONS

SCALE 4.000

NOTES:

1. DIALIGHT PART NUMBERS: 597-7714-002F/007F.
2. TAPE & REEL MAY REQUIRE RE-TAPING AFTER 12 MONTHS.
3. PIN NUMBERS ARE FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PART OR REEL TAPE.
4. .002F SUFFIX MEANS PARTS PACKAGED ON A 20 PC SAMPLE STRIP.
5. .007F SUFFIX MEANS PARTS PACKAGED ON A 7" [Ø180mm] REEL, 2,000 PCS/REEL.
6. MOISTURE SENSITIVITY LEVEL: 3
7. PACKAGING TO INCLUDE LABEL CONTAINING DIALIGHT PART NUMBER, DATE CODE/LOT NO., INTENSITY BIN AND COLOR BINS, QTY/REEL, AND COUNTRY OF ORIGIN.
8. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



RECOMMENDED SOLDER PAD LAYOUT

RoHS COMPLIANT 597-7714-00XF
 Part Numbers with the "F" suffix ending are RoHS Compliant.
 For example: 597-7741-002F
 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.

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	RED/OR	GREEN	BLUE	UNITS
CONTINUOUS FORWARD CURRENT	30			mA
PEAK FORWARD CURRENT (1/8 DUTY CYCLE)	100			mA
REVERSE VOLTAGE	5			V
REFLOW SOLDERING TEMPERATURE FOR 5 SEC.	260			°C
OPERATING TEMPERATURE	-20 TO +85			°C
STORAGE TEMPERATURE	-35 TO +85			°C
ELECTROSTATIC DISCHARGE	2000(HBM)			V

OPERATING CHARACTERISTICS AT 25°C AMBIENT											
LED COLOR	DOMINANT WAVELENGTH (nm) @ $I_F=20\text{mA}$			LUMINOUS INTENSITY (mcd) @ $I_F=20\text{mA}$			FORWARD VOLTAGE (V) @ $I_F=20\text{mA}$			REVERSE CURRENT (μA) @ $V_r=5\text{V}$	VIEWING ANGLE (DEGREES)
	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX		
RED/ORANGE	620	625	630	180	230	380	1.8	2.1	2.3	10	120
GREEN	520	525	530	650	1000	1200	3.0	3.2	3.4	10	120
BLUE	465	468	472.5	150	230	350	3.0	3.2	3.4	10	120

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SCALE: 16.000	DRAWING NUMBER
ALL DIM's: INCH (mm)	
TOLERANCES: UNLESS OTHERWISE SPECIFIED	
FRACTIONS: ±1/164	
DECIMALS (.XX): ±.01	
DECIMALS (.XXX): ±.005	
DECIMALS (.XXXX): ±.0005	
ANGLES: ±1°	
FINISH	
C-18315	
TITLE	RO/G/B PLCC-4 LED
MATERIAL	
Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com
FSCM 83330	SHEET 1 OF 1 FAMILY TABLE: