

OPERATING CHARACTERISTICS AT 25°C AMBIENT										
COLOR	LUMINOUS INTENSITY $\theta I_F = 20$ mA (mcd)			FORWARD VOLTAGE $\theta I_F = 20$ mA (V)		REVERSE CURRENT (μ A)	DOMINANT WAVELENGTH (nm)		PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)
	MIN	TYP	MAX	TYP	MAX	MAX	MIN	TYP	MAX	TYP
RED	28	55	112	2.0	2.4	10	—	631	—	639
GREEN	28	45	112	2.0	2.4	10	567	571	577	574

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT			COLOR	UNITS
	RED	GREEN		
POWER DISSIPATION	75	75	mW	
DC FORWARD CURRENT	30	30	mA	
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE)	80	80	mA	
DERATE LINEARLY FROM 25°C	0.42	0.42	mA/°C	
REVERSE VOLTAGE	5	—	V	
STORAGE TEMPERATURE	-40 TO +85°C	—	°C	
OPERATING TEMPERATURE	-30 TO +85°C	—	°C	
IR SOLDERING TEMPERATURE, FOR 10 SEC	260	—	°C	

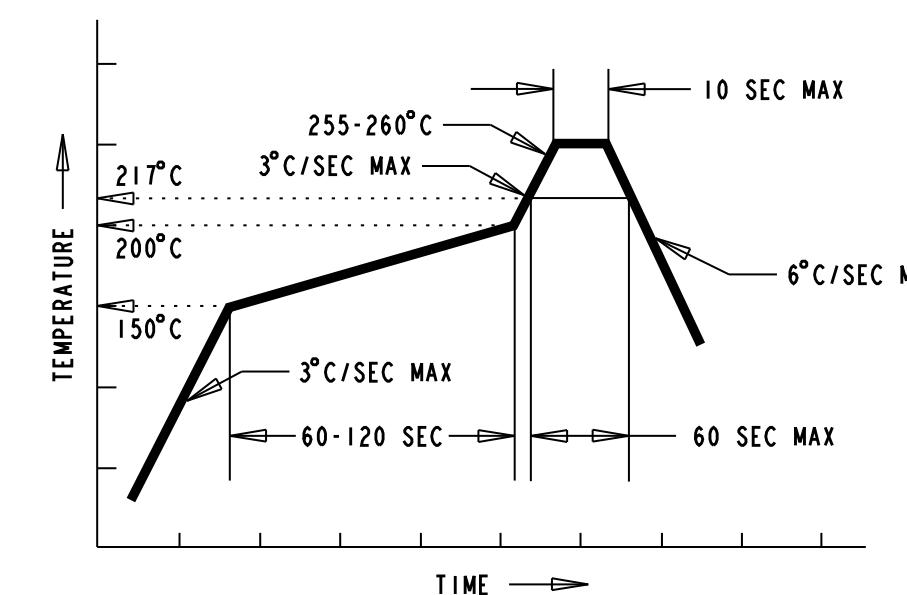


ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

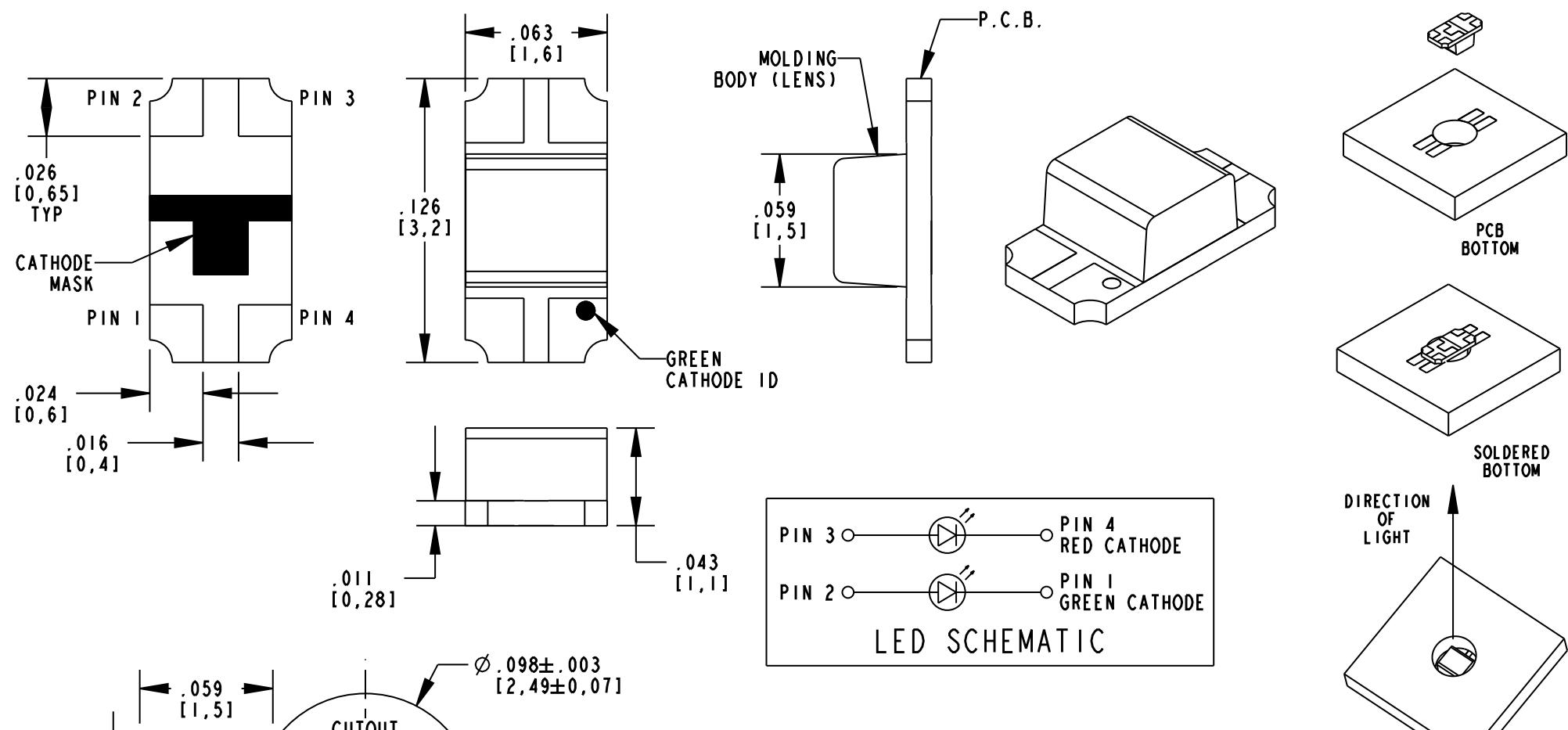
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	KLJ	JLC	N.O.	6-30-09
B	—	ADDED PCB LAYOUT	AJF	KLJ	NO	7-24-09

RoHS COMPLIANT 597-7703-60XF

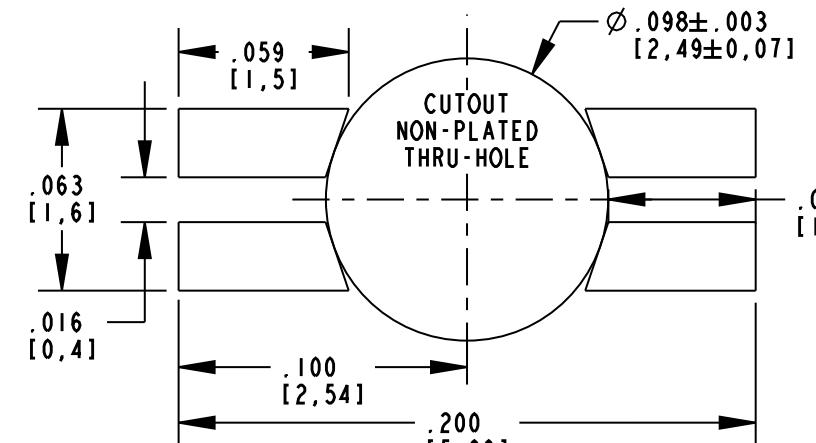
Part Numbers with the "F" suffix ending are RoHS Compliant. Reel and bag packaging are marked with "RoHS Compliant" label or equivalent markings. These parts can be used with RoHS reflow profile. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with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



RECOMMENDED RoHS SOLDER PROFILE



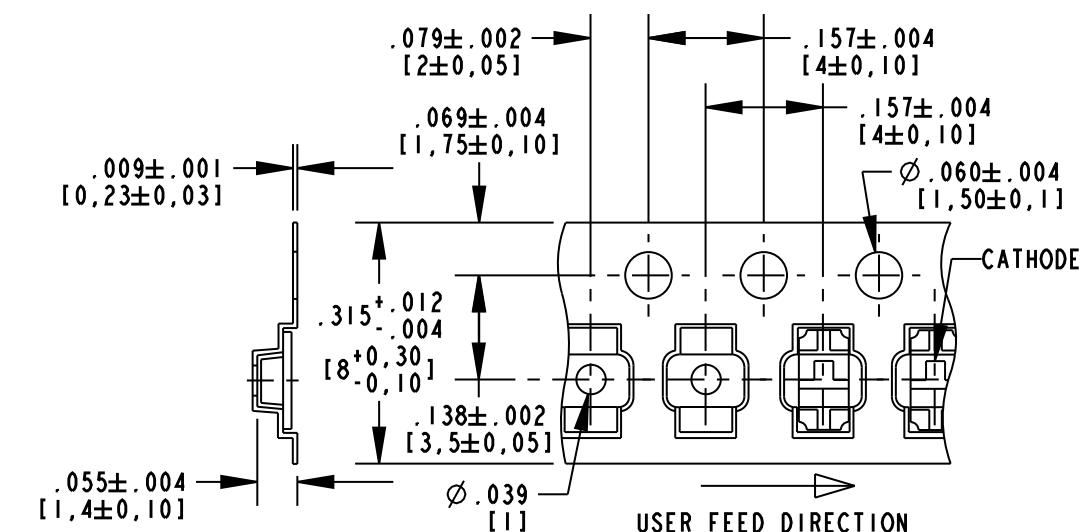
LED SCHEMATIC



RECOMMENDED SOLDER PAD LAYOUT

NOTES:

1. LENS: WATER CLEAR
2. LED CHIP: AlInGaP RED & GREEN
3. LEADS ARE GOLD (Au) PLATED FINISH.
4. PACKAGING: -602F SUFFIX MEANS 20 PCS SAMPLE STRIP
-607F SUFFIX MEANS 3000 PARTS/REEL, $\phi 7$ INCH REEL
5. MOISTURE SENSITIVITY LEVEL 3.
6. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
7. DIALIGHT PART NUMBERS: 597-7703-602F, 597-7703-607F
8. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



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SCALE: 15.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17741	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .01$ DECIMALS (.XXX): $\pm .005$		
ANGLES: $\pm 3^\circ$		
FINISH:		
Dialight	1501 ROUTE 34 SOUTH	
	FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: