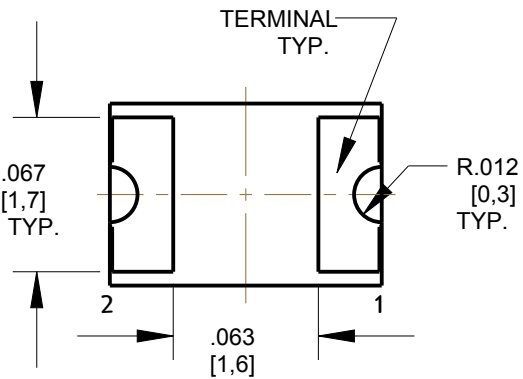
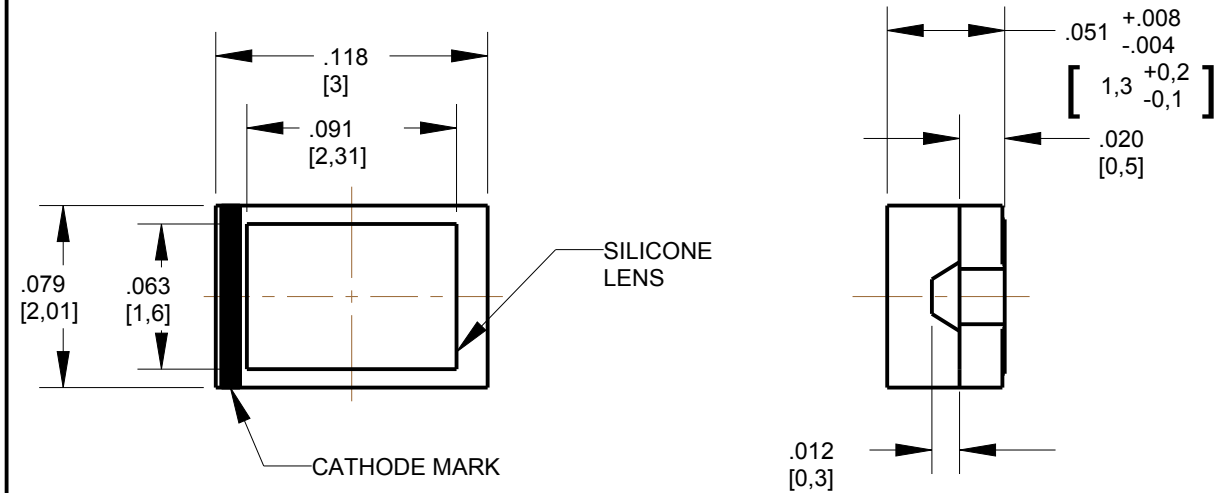
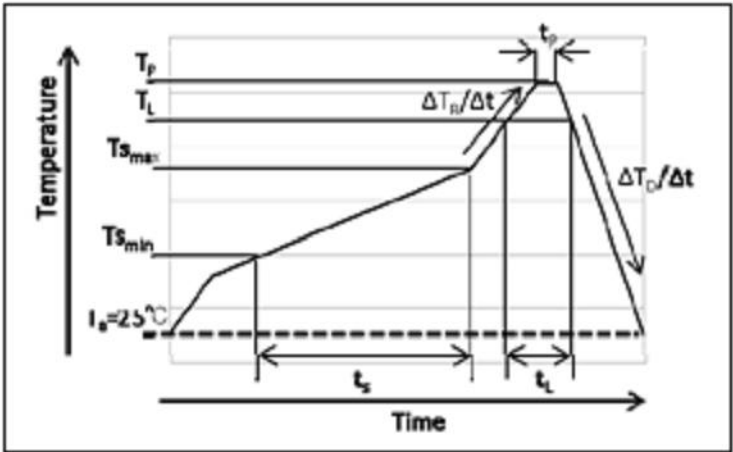


OPERATING CHARACTERISTICS AT 25° C AMBIENT										
DIALIGHT PART NUMBER	LED COLOR	LED CHIP	IF (mA)	FORWARD VOLTAGE (V)		LUMINOUS INTENSITY (mcd)		REVERSE CURRENT mA @VR=4V	PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEGREES)
				TYP	MAX	MIN	TYP	MAX		
597-3301-502SF,507SF	GREEN	GaP	20	2.2	2.8	5.6	25.0	100	570	104
597-3401-502SF,507SF	YELLOW	GaAsP	20	2.1	2.8	2.2	6.3	100	585	104
597-3602-502SF,507SF	BLUE	InGaN	20	3.3	4.3	36	100	100	468	110

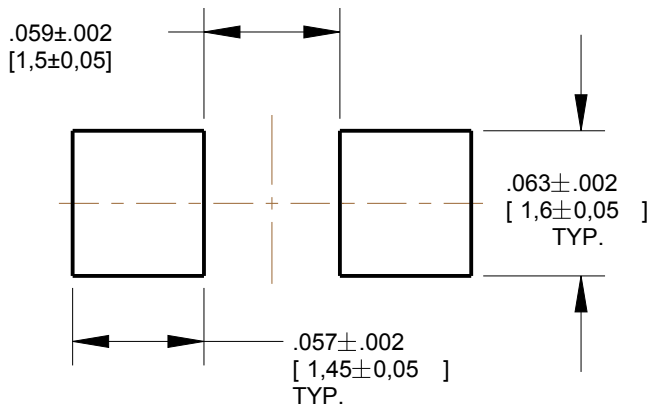
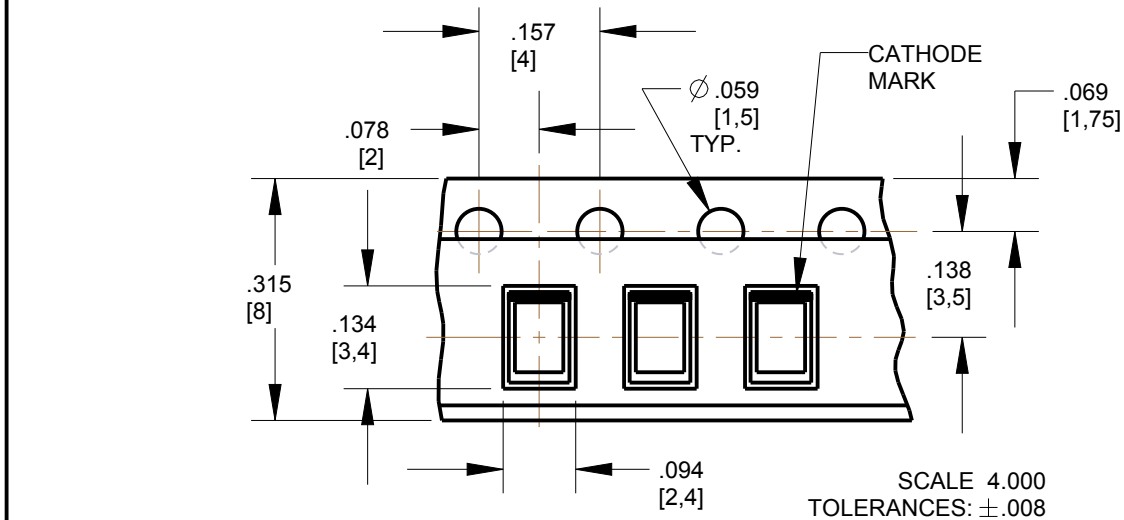


ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

REV	REVISIONS	DRN	CKD	DATE
A	NEW RELEASE	LD	NO	10-15-19
B	REVISED NOTE 1, WAS EPOXY COLOR : WATER CLEAR	LD	NO	10-22-19



Mark	Meanings	Conditions
Ts _{max}	Maximum of pre-heating temperature	180°C
Ts _{min}	Minimum of pre-heating temperature	140°C
Ts	Time from Ts _{min} to Ts _{max}	Over 60sec.
T _L	Reference temperature	210~250°C
t _L	Retention time for T _L	Within 40sec.
T _p	Peak temperature	250°C(Max)
t _p	Time for peak temperature	Within 10sec.
ΔT _R /Δt	Temperature rising rate	Under 3°C/sec.
ΔT _D /Δt	Temperature decreasing rate	Over -3°C/sec.

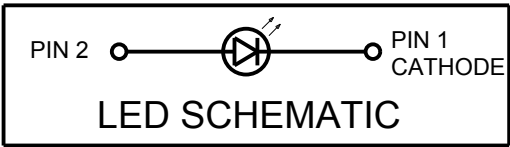


RECOMMENDED SOLDER PAD LAYOUT

NOTES:

- SILICONE LENS COLOR IS NON TINTED DIFFUSED.
- LEADS: GOLD PLATED.
- SOLDER ADHERANCE: BOTH LEADS PER MIL. STD. 202E, METHODE 208C.
- LABELING: REELS TO BE IDENTIFIED WITH DIALIGHT P/N, QUANTITY, DATE CODE, AND INTENSITY BIN CATEGORY.
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- THIS PRODUCT IS ROHS COMPLIANT. EACH BAG IS TO BE MARKED WITH ROHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE (ROHS COMPLIANT).
- MOISTURE SENSIVITY LEVEL 3

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT	GREEN, YELLOW	BLUE	UNITS
POWER DISSIPATION	70	84	mW
DERATE LINEARLY FROM 25° C	0.42	.40	mA/° C
CONTINUOUS FORWARD CURRENT	25	20	mA
PEAK FORWARD CURRENT (1ms PULSE WIDTH, 1/5 DUTY CYCLE)	60	100	mA
REVERSE VOLTAGE	4	5	V
OPERATING TEMPERATURE	-30 TO +85	-30 TO +85	°C
STORAGE TEMPERATURE	-40 TO +85	-40 TO +100	°C



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SCALE: 12.000 ALL DIM's: INCH (mm)	DRAWING NUMBER C-18451	REV B
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ± 1/64 DECIMALS (.XX): ± .02 DECIMALS (.XXX): ± .008 ANGLES: ± 1° FINISH -	TITLE 1208 PKG LED SILICONE LENS	
	MATERIAL -	
FSCM 83330	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
	SHEET 1 OF 1	FAMILY TABLE: