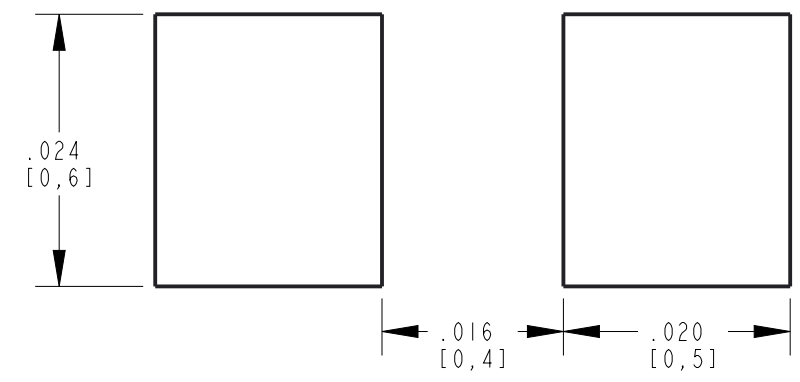
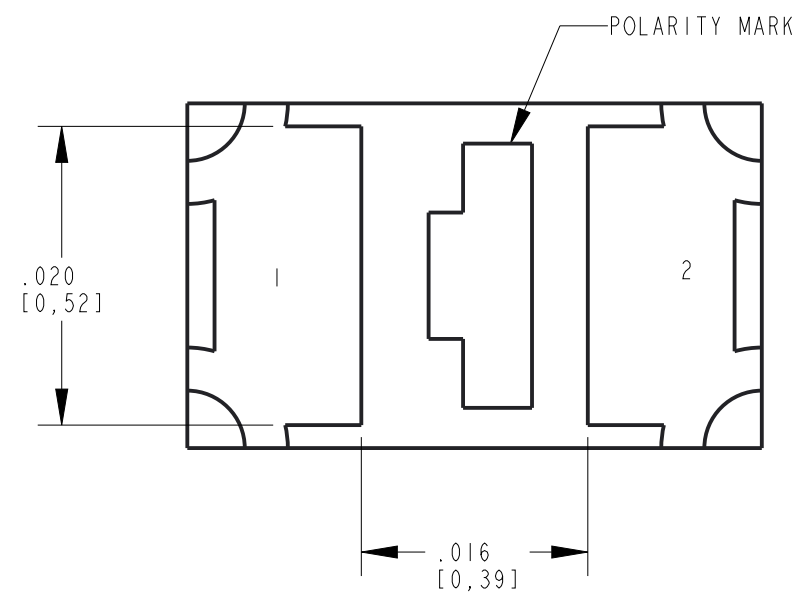
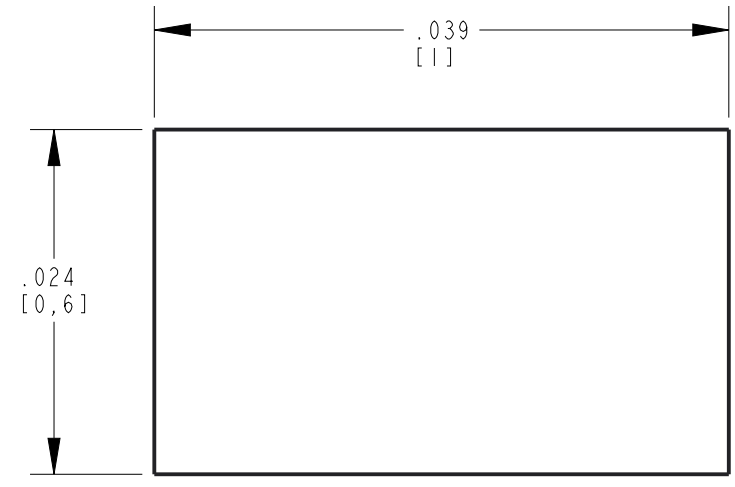
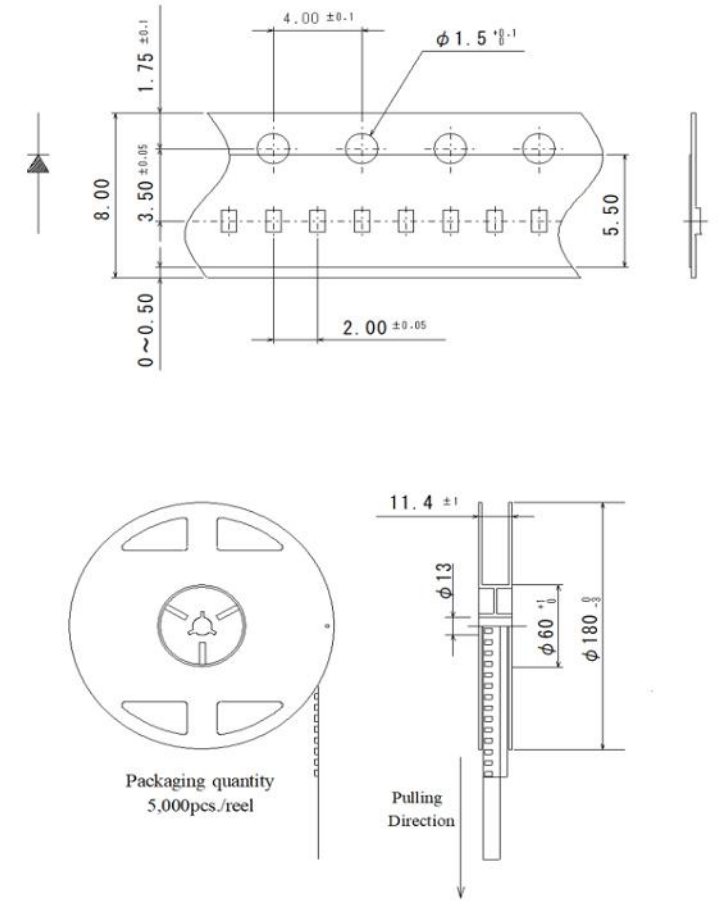


REV	ECN NO	REVISIONS	DRN	CKD	APP	QA	CM	DATE
A	95009	NEW RELEASE	LD	CS	NO			8-31-22



RECOMMENDED ROHS SOLDER PROFILE

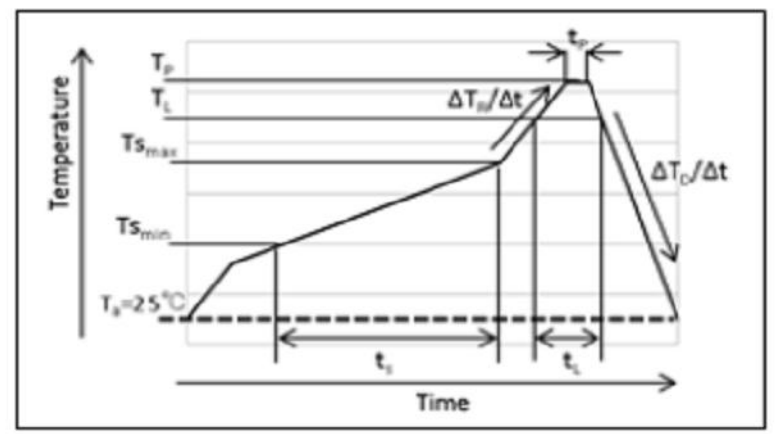
**TAPE AND REEL PACKAGING SPECIFICATIONS  
UNITS (MM)**



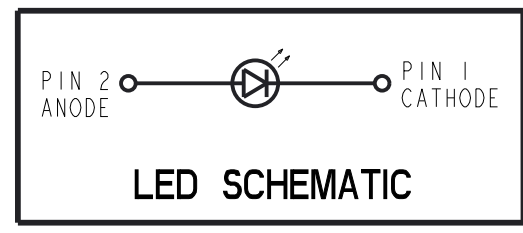
Packaging quantity  
5,000pcs/reel

**NOTES:**

- DIALIGHT PART NUMBERS: 597-3607-50XF.  
...502F SUFFIX MEANS PARTS PACKAGED ON A 20 PC SAMPLE STRIP.  
...507F SUFFIX MEANS PARTS PACKAGED ON A 7" [180mm] REEL, 5,000 PCS/REEL.
- TAPE & REEL MAY REQUIRE RE-TAPING AFTER 12 MONTHS.
- PIN NUMBERS ARE FOR REFERENCE ONLY.  
DESIGNATION NON-EXISTENT ON PART OR REEL TAPE.
- MOISTURE SENSITIVITY LEVEL: 3
- PACKAGING TO INCLUDE LABEL CONTAINING DIALIGHT PART NUMBER, DATE CODE/LOT NO., LUMINOUS INTENSITY AND COLOR BINS, QTY/REEL, AND COUNTRY OF ORIGIN.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



Mark	Meanings	Conditions
T <sub>s_max</sub>	Maximum of pre-heating temperature	180°C
T <sub>s_min</sub>	Minimum of pre-heating temperature	140°C
T <sub>s</sub>	Time from T <sub>s_min</sub> to T <sub>s_max</sub>	Over 60 sec.
T <sub>L</sub>	Reference temperature	230~260°C
t <sub>L</sub>	Retention time for T <sub>L</sub>	Within 40 sec.
T <sub>P</sub>	Peak temperature	260°C(MAX.)
t <sub>P</sub>	Time for peak temperature	Within 10 sec.
ΔT <sub>R</sub> /Δt	Temperature rising rate	Under 3°C/sec.
ΔT <sub>D</sub> /Δt	Temperature decreasing rate	Within -3°C/sec.



OPERATING CHARACTERISTICS AT 25°C AMBIENT											
LED COLOR	PEAK WAVELENGTH (nm)	LUMINOUS INTENSITY (mcd) @ I <sub>f</sub> =2mA			DOMINANT WAVELENGTH (nm) @ I <sub>f</sub> =2mA			FORWARD VOLTAGE (V) @ I <sub>f</sub> =2mA			VIEWING ANGLE (DEGREES)
		TYP	MIN	MAX	MIN	TYP	MAX	MIN	TYP	MAX	
BLUE	—	9	25		465	470	475	2.65	2.9	3.3	135

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		
	BLUE	UNITS
POWER DISSIPATION	33	mW
CONTINUOUS FORWARD CURRENT	10	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 10ms PULSE WIDTH)	50	mA
ELECTROSTATIC DISCHARGE THRESHOLD (HBM)	2000	V
REFLOW SOLDERING TEMPERATURE FOR 10 SEC.	260	°C
OPERATING TEMPERATURE	-40 TO +85	°C
STORAGE TEMPERATURE	-40 TO +100	°C

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DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 4500521846016-A.3

SCALE: 20.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-18599	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	MATERIAL	
FINISH	SEE BOM	
FSCM 83330	<b>Dialight</b> 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
	SHEET 1 OF 1	FAMILY TABLE: