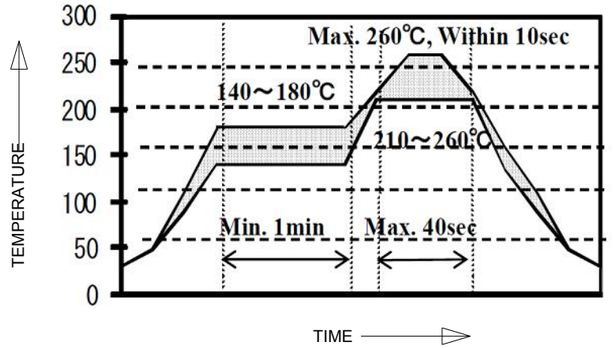
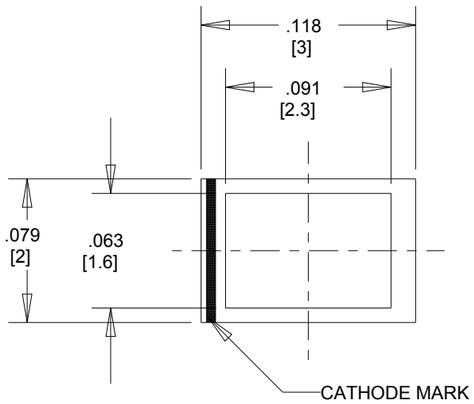
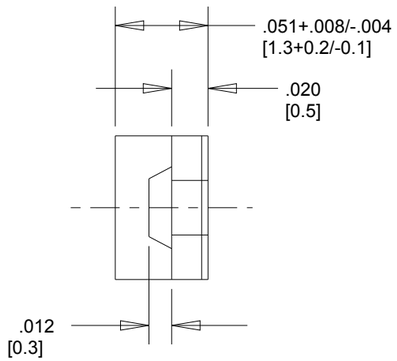
OPERATING CHARACTERISTICS AT 25° C AMBIENT													
DIALIGHT CATALOG P/N	COLOR	I_F (mA)	FORWARD VOLTAGE (V)		LUMINOUS INTENSITY (mcd)			REVERSE LEAKAGE CURRENT (μA)	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)			VIEWING ANGLE (2θ 1/2) (DEGREES)
			TYP.	MAX.	MIN.	TYP.	MAX.	MAX.		MIN.	TYP.	MAX.	
597-3021-507F, -502F	RED	20	2.0	2.8	2.2	6.3	10.4	100	650	646	653	659	110
597-3111-507F, -502F	BRIGHT RED	20	1.75	2.5	5.6	16.0	26.4	100	660	656	662	668	110
597-3211-507F, -502F	ORANGE	20	2.0	2.8	3.6	10.0	16.4	100	610	604	612	618	110
597-3301-507F, -502F	GREEN	20	2.2	2.8	5.6	25.0	44.4	100	570	565	573	581	110
597-3401-507F, -502F	YELLOW	20	2.1	2.8	2.2	6.3	10.4	100	585	580	588	596	110

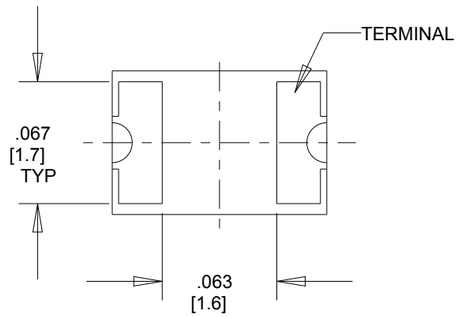
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	———	NEW RELEASE	TWC	——	——	——
B	———	REVISED REFLOW PROFILE	AJF	KLJ	NO	2-8-11

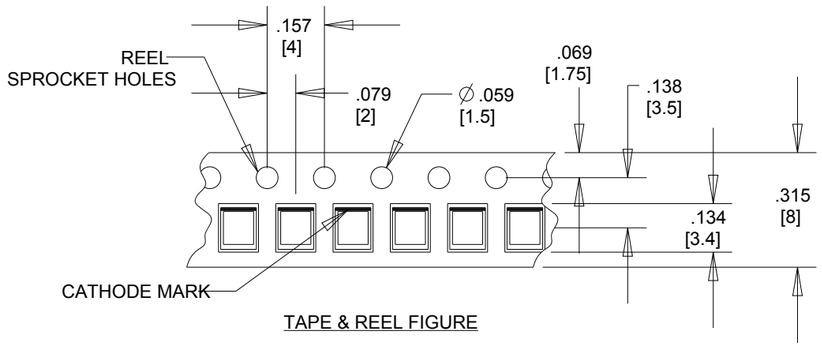


RECOMMENDED RoHS SOLDER PROFILE

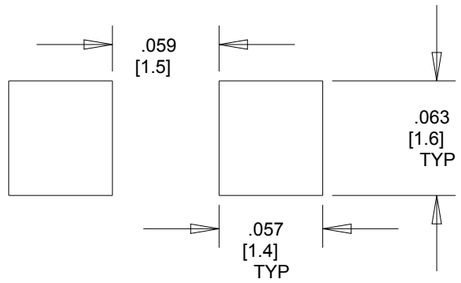








TAPE & REEL FIGURE



SOLDER PAD LAYOUT

NOTES:

1. EPOXY COLOR: WATER CLEAR.
2. LEAD FINISH: GOLD (Au) PLATED OVER NICKEL (Ni).
3. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
4. DIALIGHT PART NUMBER: 597-3XX1-507F FOR A 2500 PC. REEL AND 597-3XX1-502F FOR A 20 PC. SAMPLE STRIP

RoHS Compliant 597-3XX1-50XF Surface Mount CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 597-3301-507F
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 RATING AT 25°C AMBIENT	597-3XX1-507F AND 597-3XX1-502F					UNITS
	3021	3111	3211	3301	3401	
	RED	BRIGHT RED	ORANGE	GREEN	YELLOW	
POWER DISSIPATION	70	75	70			mW
CONTINUOUS FORWARD CURRENT	25	30	25			mA
PEAK FORWARD CURRENT (PULSE WIDTH 1 ms, DUTY 20%)	60	75	60			mA
OPERATING TEMPERATURE	-30 TO +85					°C
STORAGE TEMPERATURE	-40 TO +85					°C

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SCALE: DRAWING SCALE
ALL DIM's: INCH (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-17290
REV: B
TITLE: SINGLE COLOR SMT LED 1208 PKG RoHS COMPLIANT
MATERIAL

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727
(732) 919-3119
www.dialight.com

SHEET 1 OF 1
FAMILY TABLE: