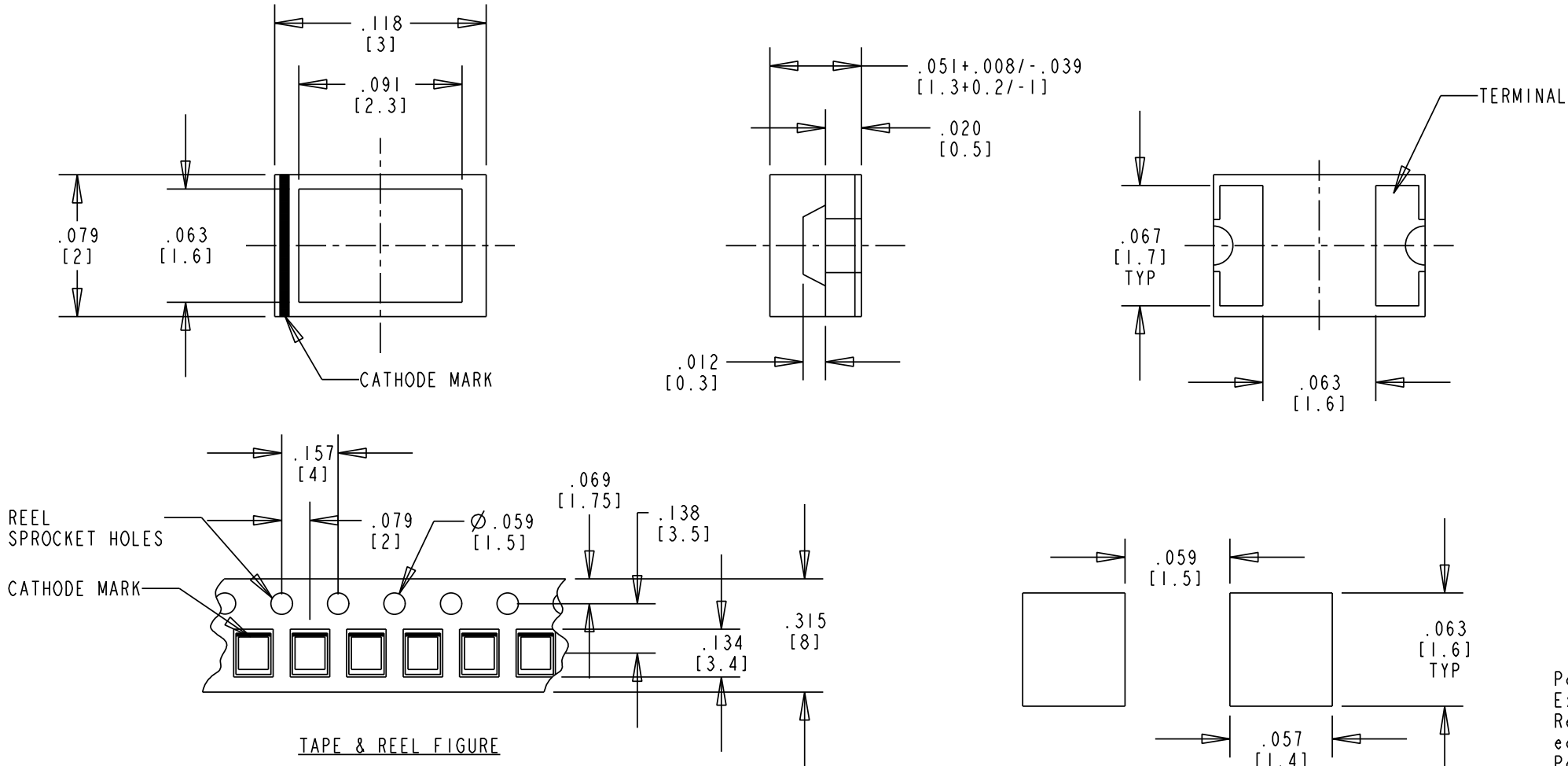


OPERATING CHARACTERISTICS AT 25 °C AMBIENT																	
DIALIGHT CATALOG P/N	COLOR	I _F (mA)	FORWARD VOLTAGE (V)		LUMINOUS INTENSITY (mcd)			REVERSE LEAKAGE CURRENT (μA)	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)			VIEWING ANGLE (2 θ 1/2) (DEGREES)	REVISIONS			
			TYP.	MAX.	MIN.	TYP.	MAX.	MAX.		MIN.	TYP.	MAX.		REV.	ECN.	DRN.	DATE
597-3021-507F, -502F	RED	20	2.0	2.8	2.2	6.3	10.4	100	650	646	653	659	110	A	——	TWC	10-11-05
597-3111-507F, -502F	BRIGHT RED	20	1.75	2.5	5.6	16.0	26.4	100	660	656	662	668	110	A	——	TWC	10-11-05
597-3211-507F, -502F	ORANGE	20	2.0	2.8	3.6	10.0	16.4	100	610	604	612	618	110	A	——	TWC	10-11-05
597-3301-507F, -502F	GREEN	20	2.2	2.8	5.6	25.0	44.4	100	570	565	573	581	110	A	——	TWC	10-11-05
597-3401-507F, -502F	YELLOW	20	2.1	2.8	2.2	6.3	10.4	100	585	580	588	596	110	A	——	TWC	10-11-05

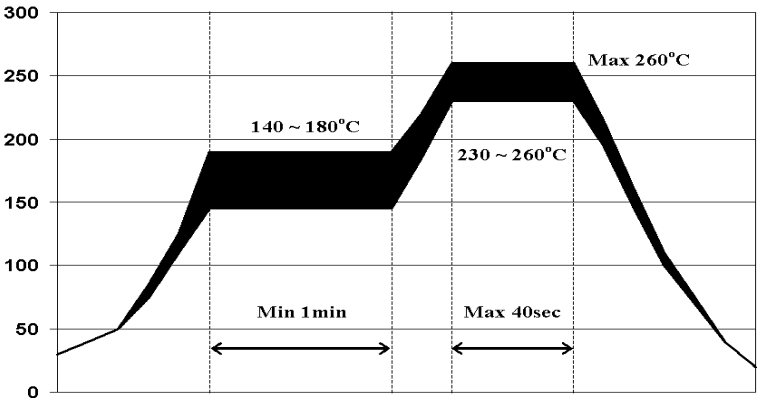


TAPE & REEL FIGURE

SOLDER PAD LAYOUT

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

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC			



RoHS COMPLIANT REFLOW PROFILE

NOTES:

- EPOXY COLOR: WATER CLEAR.
- LEAD FINISH: GOLD (Au) PLATED OVER NICKEL (Ni).
- TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
- 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.

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.		
SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17290	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE SINGLE COLOR SMT LED 1208 PKG RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1		FAMILY TABLE:

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