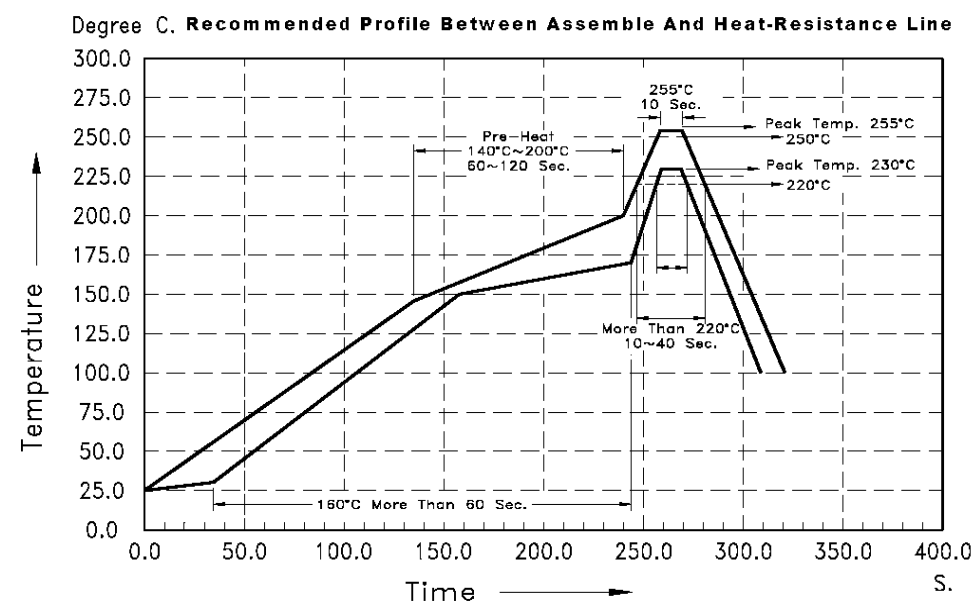
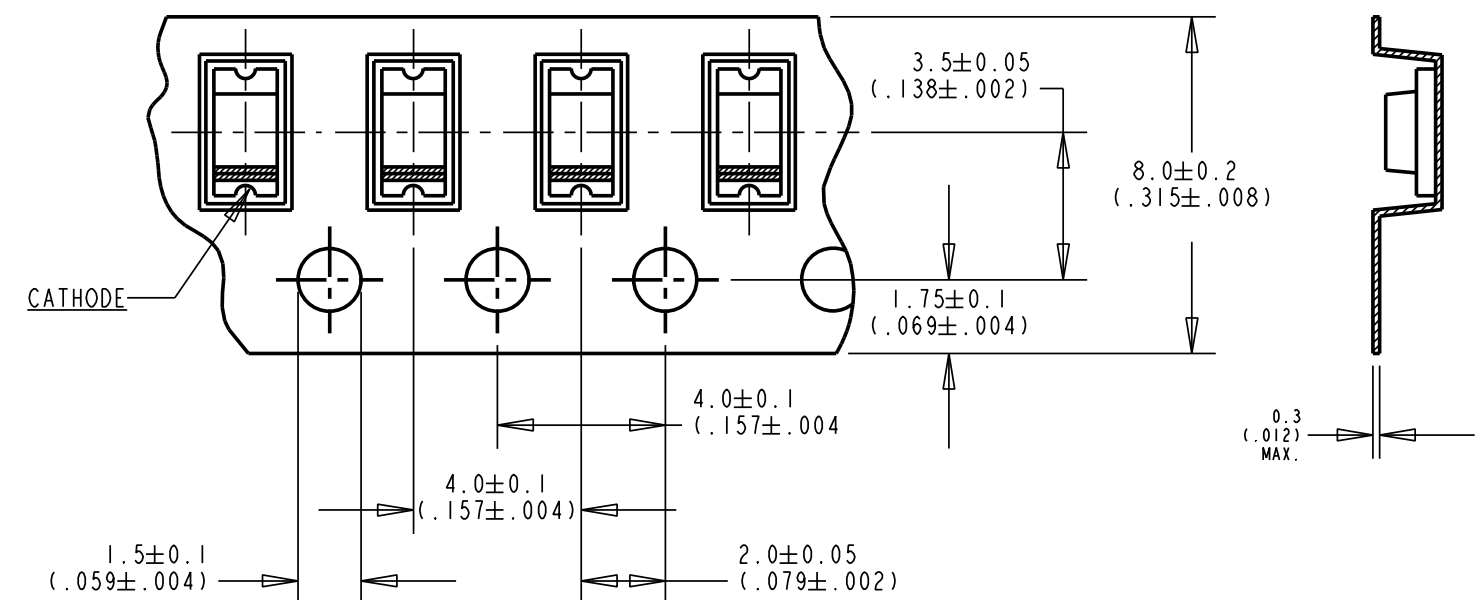
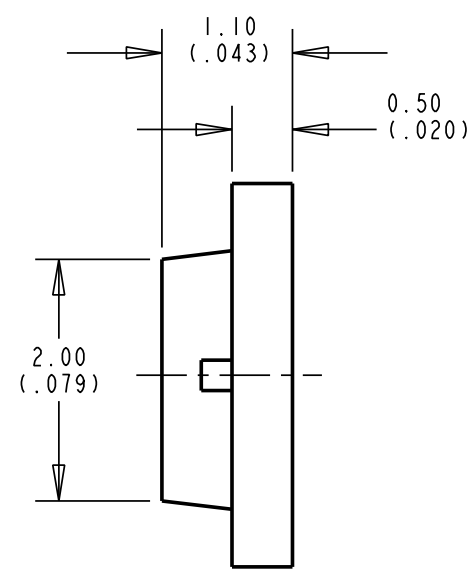
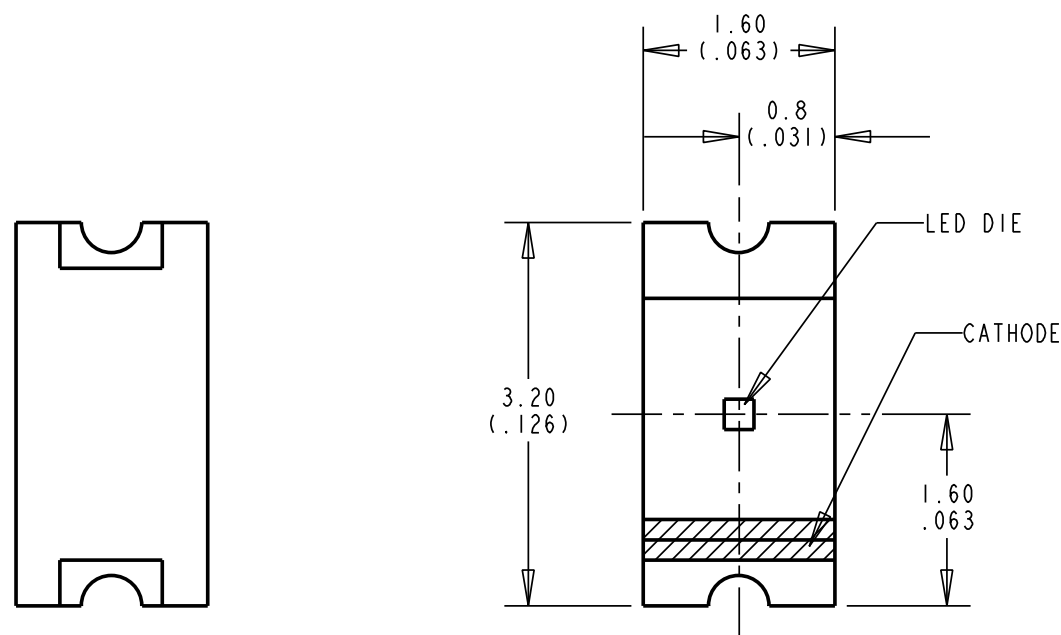


REFLOW PROFILE FOR  
NORMAL PARTS



REFLOW PROFILE FOR  
RoHS COMPLIANT PARTS



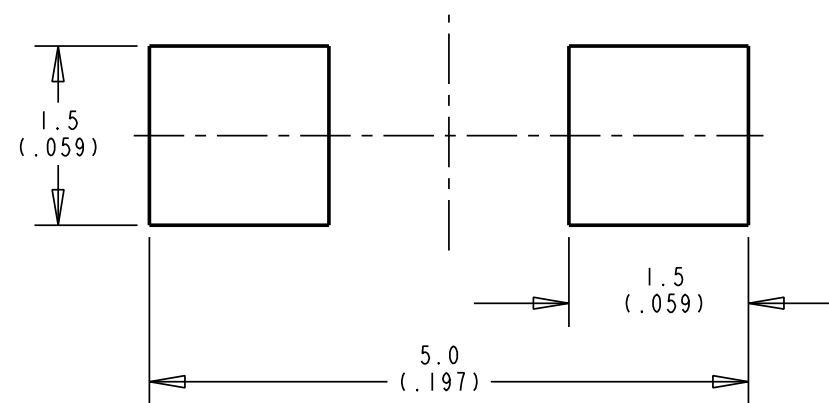
PACKAGE DIMENSIONS OF TAPE AND REEL

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT

	GREEN	UNITS
POWER DISSIPATION	100	mW
DERATE LINEARLY FROM 50° C	0.6	mA / °C
CONTINUOUS FORWARD CURRENT	30	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	120	mA
REVERSE VOLTAGE	5	V
OPERATING TEMPERATURE	-55 TO +85	°C
STORAGE TEMPERATURE	-55 TO +85	°C
WAVE SOLDERING CONDITION	260° C FOR 5 SEC	
INFRARED SOLDERING CONDITION	260° C FOR 5 SEC	
VAPOR PHASE SOLDERING CONDITION	215° C FOR 3 MIN	

OPERATING CHARACTERISTICS AT 25° C AMBIENT

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY (I <sub>v</sub> )	4.0	8.0	30.0	mc d	I <sub>f</sub> = 10 mA
VIEWING ANGLE (2 θ 1/2)		130		DEGREES	
PEAK WAVELENGTH (λ <sub>p</sub> )		565		nm	MEASUREMENT @ PEAK
DOMINANT WAVELENGTH (λ <sub>d</sub> )		569		nm	
SPECTRAL LINE HALF-WIDTH (Δλ)		30		nm	
FORWARD VOLTAGE (V <sub>f</sub> )		2.1	2.6	V	I <sub>f</sub> = 20 mA
REVERSE CURRENT (I <sub>R</sub> )			100	μA	V <sub>R</sub> = 5V
CAPACITANCE (C)		35		pF	V <sub>R</sub> = 0 V, f = 1 MHz



SUGGEST SOLDERING PAD DIMENSIONS

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TC	DC	N.O.	4-1-99
B		ADDED NOTE 9.	TC	DC	N.O.	6-9-99
C		ADDED RoHS COMPLIANT "F" SUFFIX P/Ns, RoHS AND NORMAL REFLOW PROFILE & RoHS NOTE; UPDATED FORMAT; REVISED LEAD FINISH AND PACKAGING NOTES	TWC			

NOTES:

1. EPOXY COLOR: WATER CLEAR.
2. DIE: GaP.
3. LEADS: GOLD (Au) PLATED ON COPPER ALLOY (Cu) ON FR-4 SUBSTRATE
4. SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C.
5. PART TAPED AND REELED PER EIA-RS-481-1.
6. PART SUPPLIED 3000 DEVICES PER 7" DIAMETER REEL, ONE REEL PER SEALED ALUMINUM BAG WITH DESICCANT.
7. LABELING FOR REEL AND OUTSIDE OF ALUMINUM FOIL BAG: DIALIGHT P/N, QUANTITY PER REEL, DATE CODE, INTENSITY BIN CODE, LOT NUMBER AND COUNTRY OF ORIGIN.
8. DIALIGHT P/N: 597-3302-607, -602 AND 597-3302-607F, -602F
9. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
10. PART NUMBER WITH "F" SUFFIX ENDING IS RoHS COMPLIANT. EXAMPLE: 597-3302-607F. THE REEL AND BAG ARE MARKED WITH "RoHS COMPLIANT" LABEL OR EQUIVALENT MARKINGS.

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SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-16509	REV C
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE GREEN SMT LED	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1	FAMILY TABLE:	

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