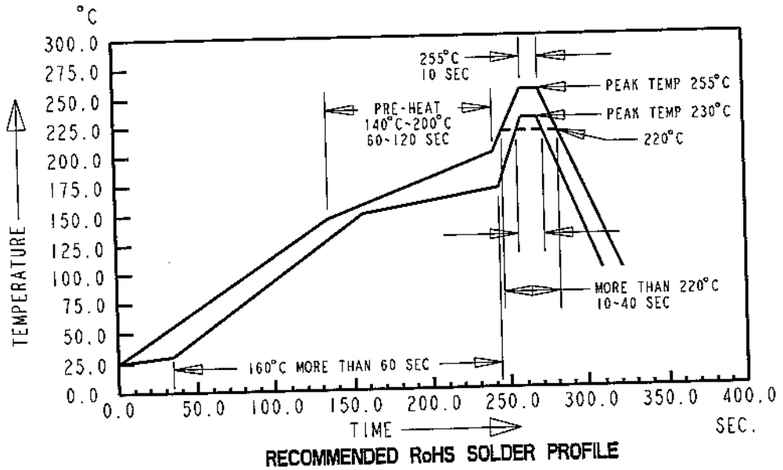
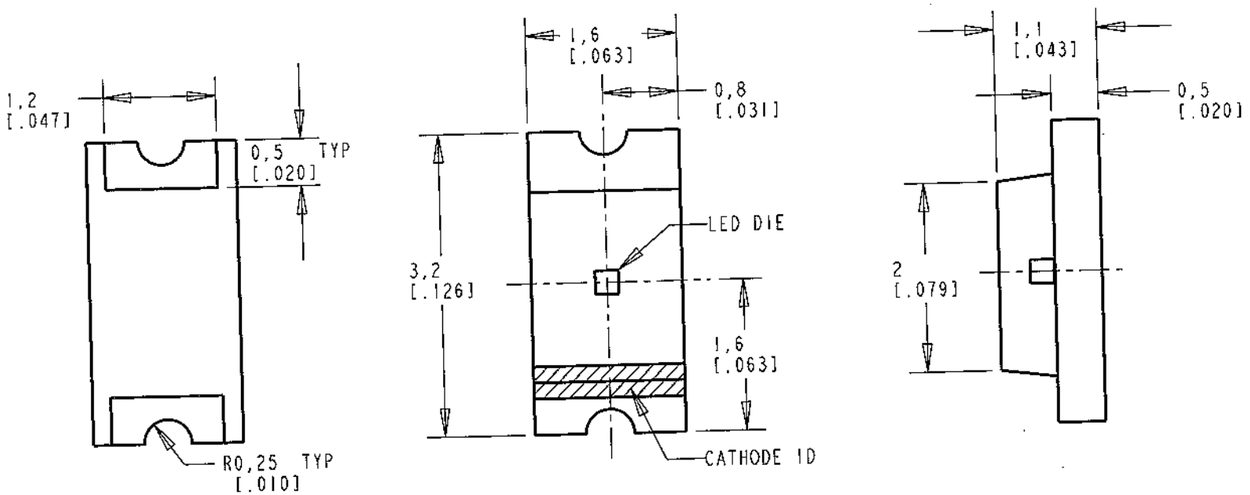
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	——	NEW RELEASE	TC	DC	N.O.	4-1-99
B	——	ADDED NOTE 9.	TC	DC	N.O.	6-9-99
C	——	ADDED RoHS COMPLIANT "F" SUFFIX P/Ns, RoHS AND NORMAL REFLOW PROFILE & RoHS NOTE; UPDATED FORMAT; REVISED LEAD FINISH AND PACKAGING NOTES	TWC	MES	N.O.	8-5-05
D	——	ADDED "1,2", "0,5 TYP", & "R0,25" DIMS ON LED; REMOVED NON-"F" P/N'S IN NOTE 8; REMOVED NON-RoHS REFLOW PROFILE; UPDATED SOLDERING SPECS.	KLJ	N.O.		10-16-08



RECOMMENDED RoHS SOLDER PROFILE

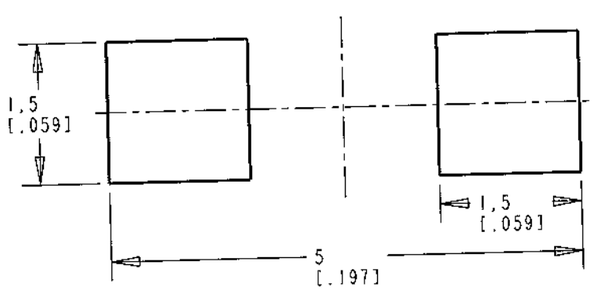


NOTES:

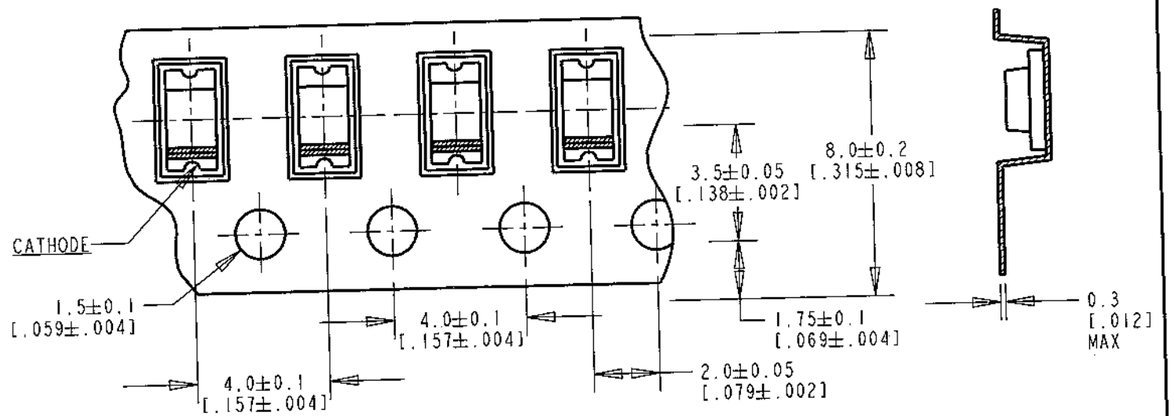
1. EPOXY COLOR: WATER CLEAR
2. DIE: GaP
3. LEADS: GOLD (Au) PLATED ON COPPER ALLOY (Cu) ON FR-4 SUBSTRATE
4. SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C
5. PART TAPED AND REELED PER EIA-RS-481-1.
6. PART SUPPLIED 3000 DEVICES PER 7" DIAMETER REEL. ONE REEL PER SEALED ALUMINUM BAG WITH 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: 597-3302-602F, -607F
9. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
10. PART NUMBERS WITH "F" SUFFIX ENDING ARE RoHS COMPLIANT. REEL AND BAG ARE MARKED WITH "RoHS COMPLIANT" LABEL OR EQUIVALENT MARKINGS.

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
LED CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	4.0	8.0	30.0	mcd	I_F = 10 mA
FORWARD VOLTAGE		2.1	2.6	V	I_F = 20 mA
DOMINANT WAVELENGTH		569		nm	
PEAK WAVELENGTH		565		nm	@ PEAK
REVERSE CURRENT			100	µA	V_R = 5 V
VIEWING ANGLE (2 θ 1/2)		130		DEG	
SPECTRAL LINE HALF-WIDTH		30		nm	
CAPACITANCE		35		pF	V_R = 0 V; f = 1 MHz

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	VALUE	UNITS
POWER DISSIPATION	100	mW
CONTINUOUS FORWARD CURRENT	30	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	120	mA
DERATE LINEARLY FROM 50°C	0.6	mA/°C
REVERSE VOLTAGE	5	V
OPERATING TEMPERATURE	-55 TO +85	°C
STORAGE TEMPERATURE	-55 TO +85	°C
SOLDERING TEMPERATURE (FOR 5 SEC)	260	°C



SUGGESTED SOLDERING PAD DIMENSIONS



PACKAGE DIMENSIONS OF TAPE AND REEL

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SCALE: DRAWING SCALE
ALL DIM'S IN: INCHES (MM)

TOLERANCES:
UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.01
DECIMALS (.XXX): ±.005
DECIMALS (.XXXX): ±.0005
ANGLES: ±1°

FINISH:

DRAWING NUMBER: C-16509
REV: D

TITLE: GREEN SMT LED
RoHS COMPLIANT

MATERIAL

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727

FSCM 83330

SHEET 1 OF 1 | FAMILY TABLE: