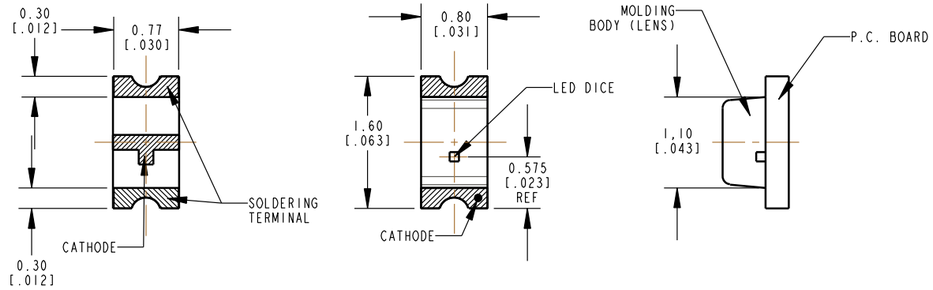
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	———	NEW RELEASE	TWC			



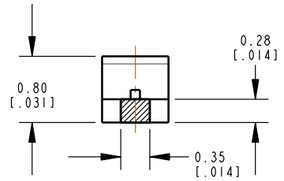
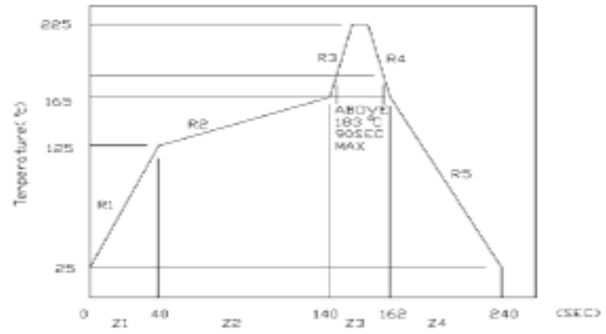




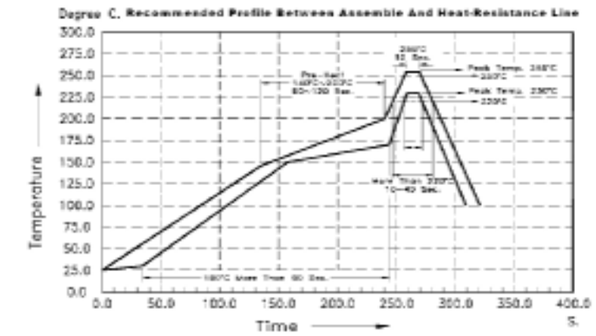
FIGURE (1)

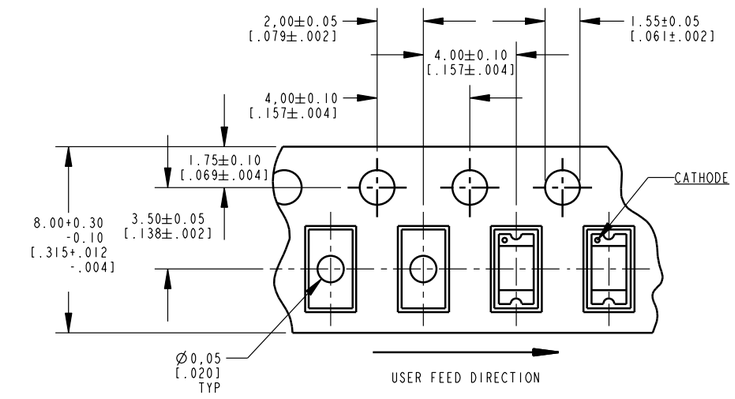
NOTES:
1. EPOXY COLOR: WATER CLEAR.
2. DIE: InGaN GREEN
3. LEADS: Au (GOLD) PLATED, OVER Ni (NICKEL) ON Cu (COPPER ALLOY) ON A FR4 SUBSTRATE.
4. SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C.
5. PART TAPED AND REELED PER EIA-RS-481-1.
6. PART SUPPLIED 3000 DEVICES PER 7" DIAMETER REEL, ONE REEL PER SEALED ALUMINUM BAG WITH DESICCANT.
7. LABELING FOR REEL AND OUTSIDE OF ALUMINUM FOIL BAG: DIALIGHT P/N, DATE CODE/LOT NUMBER, INTENSITY BIN CODE/COLOR CODE QUANTITY PER REEL & COUNTRY OF ORIGIN.
8. THIS COMPONENT IS AN ELECTROSTATIC DISCHARGE SENSITIVE DEVICE (ESD). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
9. DIALIGHT P/N: 597-3326-607F FULL REEL OR -602F 20 PIECE SAMPLE STRIP.
10. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
11. THIS PRODUCT IS Pb FREE. IT IS IN COMPLIANCE WITH THE EUROPEAN UNION'S RoHS DIRECTIVE. EACH REEL AND BAG IS MARKED WITH THE Pb FREE LABEL P/N 9100-117-0852-99 OR EQUIVALENT

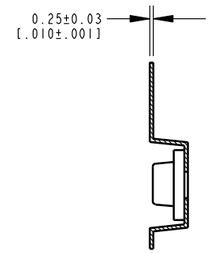
(1) Suggestion IR Reflow Profile For Normal Process

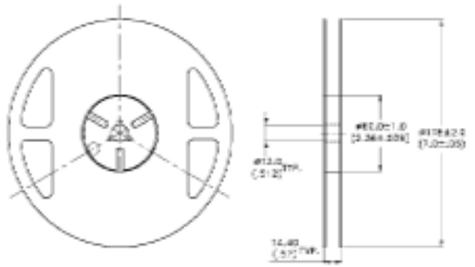


(2) Suggestion IR Reflow Profile For Pb Free Process









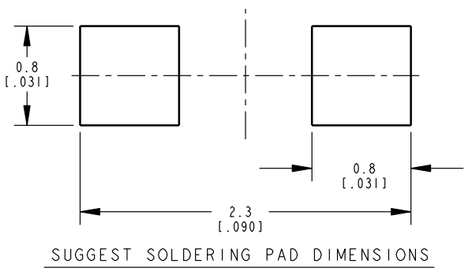
PACKAGE DIMENSIONS OF TAPE AND REEL

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT

	GREEN	UNITS
POWER DISSIPATION	76	mW
DERATE LINEARLY FROM 50° C	0.25	mA/ °C
CONTINUOUS FORWARD CURRENT	20	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	100	mA
REVERSE VOLTAGE	5	V
OPERATING TEMPERATURE	-20 TO +80	°C
STORAGE TEMPERATURE	-30 TO +100	°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_V)	90.0	150.0	280.0	mcd	I_F = 20 mA
VIEWING ANGLE (2 ⟲ 1/2)		130		DEGREES	
PEAK WAVELENGTH (λ_p)		530		nm	MEASUREMENT @ PEAK
DOMINANT WAVELENGTH (λ_d)	520.0	525.0	530.0	nm	I_F = 20 mA
SPECTRAL LINE HALF-WIDTH ($\Delta\lambda$)		35		nm	
FORWARD VOLTAGE (V_F)		3.40	3.80	V	I_F = 20 mA
REVERSE CURRENT (I_R)			10	µA	V_R = 5V



SUGGEST SOLDERING PAD DIMENSIONS

ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

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SCALE: 20.000	DRAWING NUMBER C-17230 — REV A
ALL DIM'S IN: MM (INCHES)	
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE: SMT 0603 InGaN GREEN LED
FINISH:	MATERIAL
FSCM 83330	Dialight — 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
	SHEET 1 OF 1 — FAMILY TABLE: