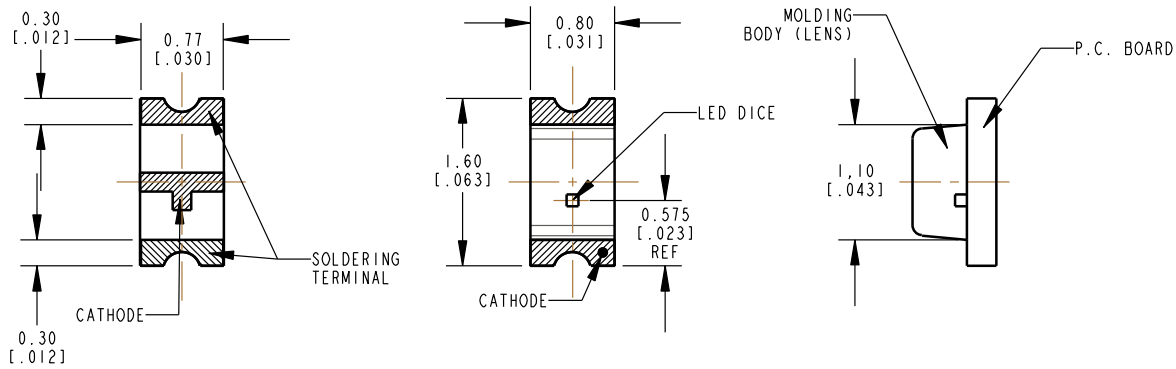


- NOTES:
1. EPOXY COLOR: WATER CLEAR.
 2. DIE: InGaN GREEN
 3. LEADS: Au (GOLD) PLATED, OVER Ni (NICKEL) ON Cu (COPPER ALLOY) ON A FR4 SUBSTRATE.
 4. SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C.
 5. PART TAPED AND REELED PER EIA-RS-481-1.
 6. PART SUPPLIED 3000 DEVICES PER 7" DIAMETER 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

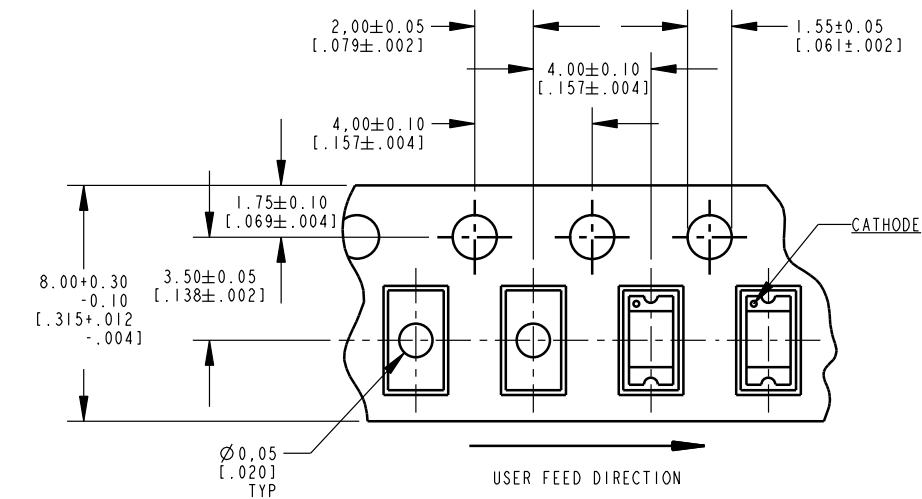
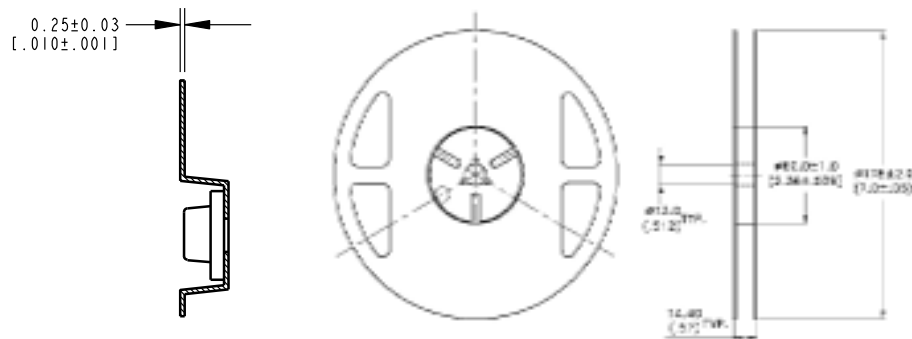


FIGURE (1)



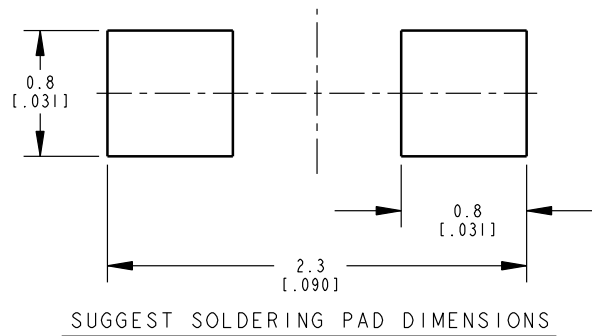
PACKAGE DIMENSIONS OF TAPE AND REEL

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

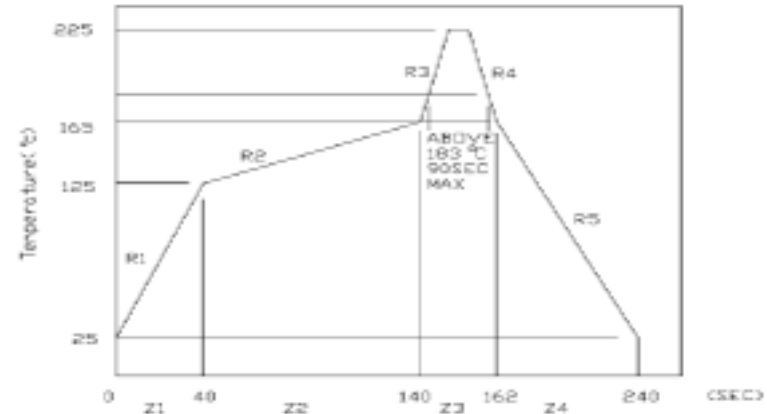
LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY (I_V)	90.0	150.0	280.0	mcd	$I_F = 20$ mA
VIEWING ANGLE ($2\theta_{1/2}$)		130		DEGREES	
PEAK WAVELENGTH (λ_p)		530		nm	MEASUREMENT @ PEAK
DOMINANT WAVELENGTH (λ_d)	520.0	525.0	530.0	nm	$I_F = 20$ mA
SPECTRAL LINE HALF-WIDTH ($\Delta\lambda$)		35		nm	
FORWARD VOLTAGE (V_F)		3.40	3.80	V	$I_F = 20$ mA
REVERSE CURRENT (I_R)			10	μ A	$V_R = 5$ V



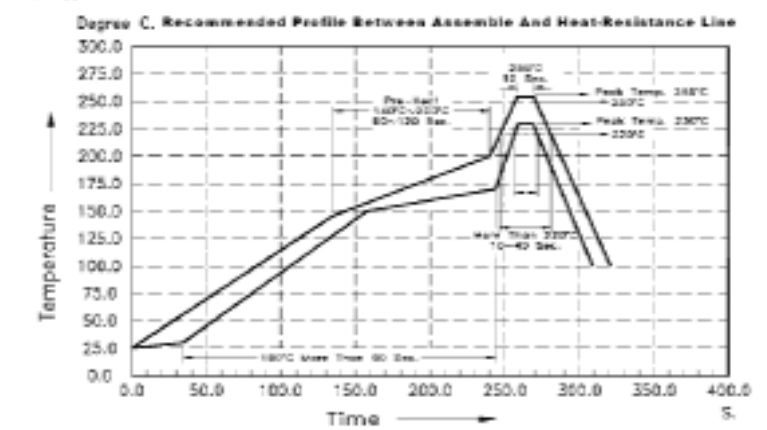
ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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

(1) Suggestion IR Reflow Profile For Normal Process



(2) Suggestion IR Reflow Profile For Pb Free Process



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