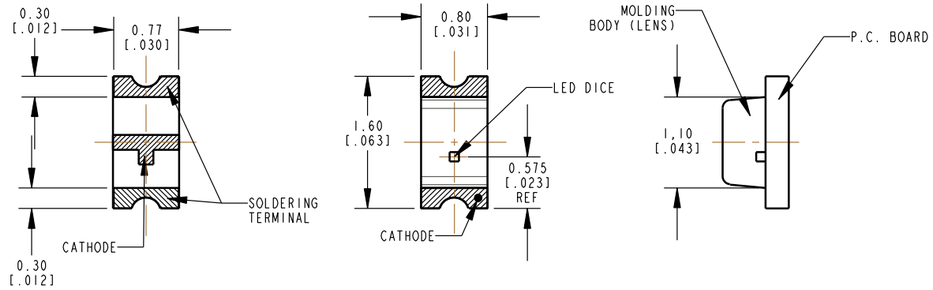
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	———	NEW RELEASE	TWC			



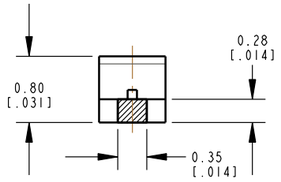
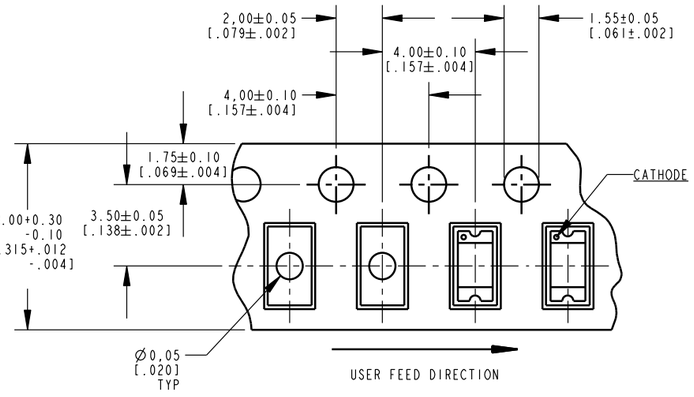
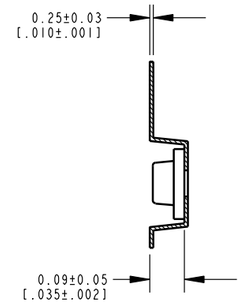


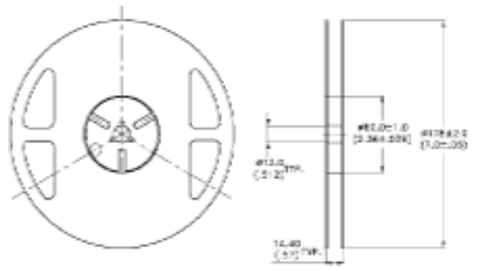


FIGURE (1)

NOTES:
1. EPOXY COLOR: WATER CLEAR.
2. DIE: InGaN BLUE
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, QTY/REEL AND 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: 597-3607-607F 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 & BAG IS MARKED WITH THE RoHS LABEL 9100-117-0852-99 OR EQUIVALENT

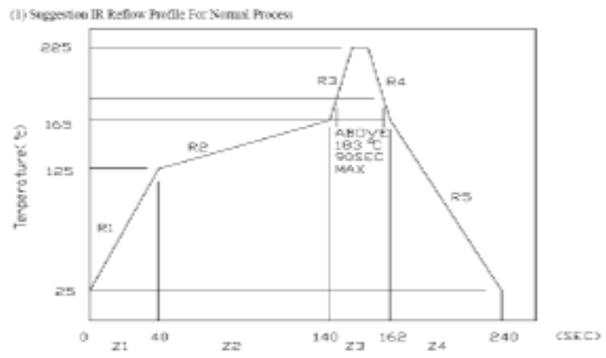




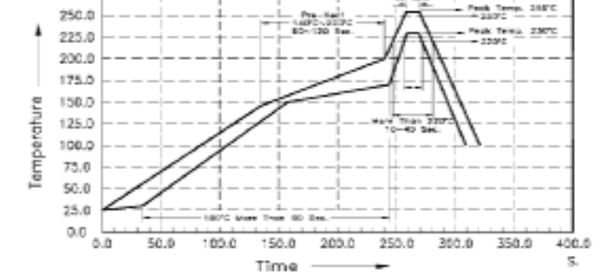


PACKAGE DIMENSIONS OF TAPE AND REEL

(1) Suggestion IR Reflow Profile For Normal Process



(2) Suggestion IR Reflow Profile For Pb Free Process

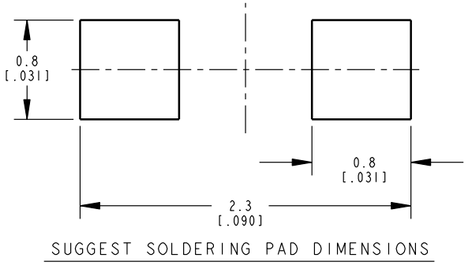


ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT

	BLUE	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)	28.0	60.0	112.0	mcd	I_F = 20 mA
VIEWING ANGLE (2 ↔ 1/2)		130		DEGREES	
PEAK WAVELENGTH (λ_p)		468		nm	MEASUREMENT @ PEAK
DOMINANT WAVELENGTH (λ_d)	465.0		475.0	nm	I_F = 20 mA
SPECTRAL LINE HALF-WIDTH ($\Delta\lambda$)		25		nm	
FORWARD VOLTAGE (V_F)	2.80		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-17231 — 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 BLUE LED
	MATERIAL
FINISH:	Dialight — 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
FSCM 83330	SHEET 1 OF 1 — FAMILY TABLE: