



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

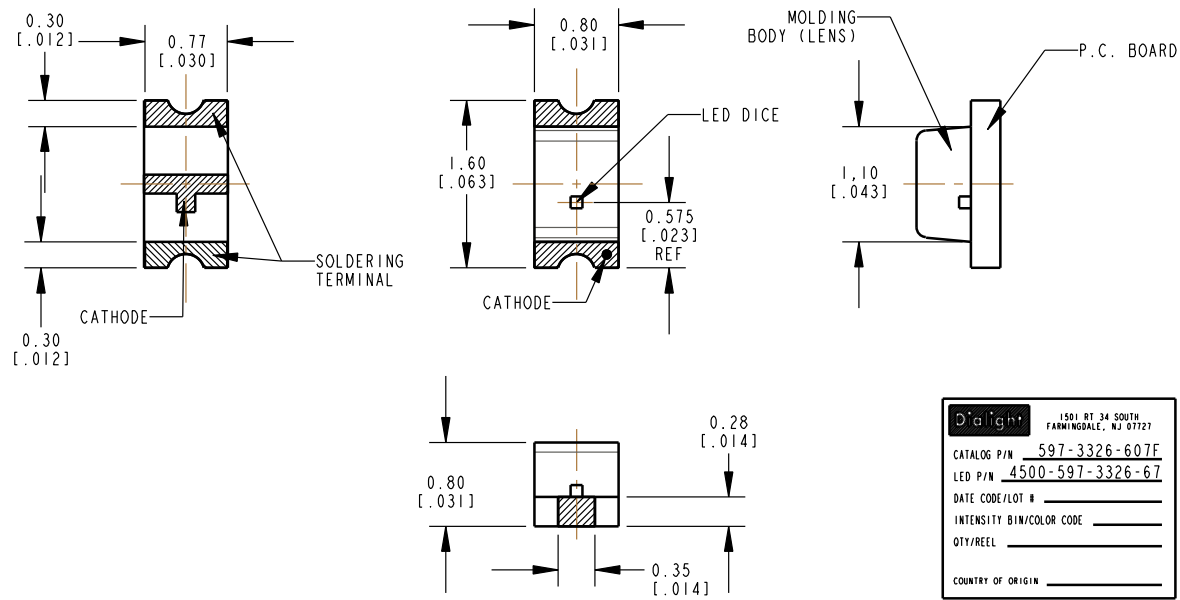
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

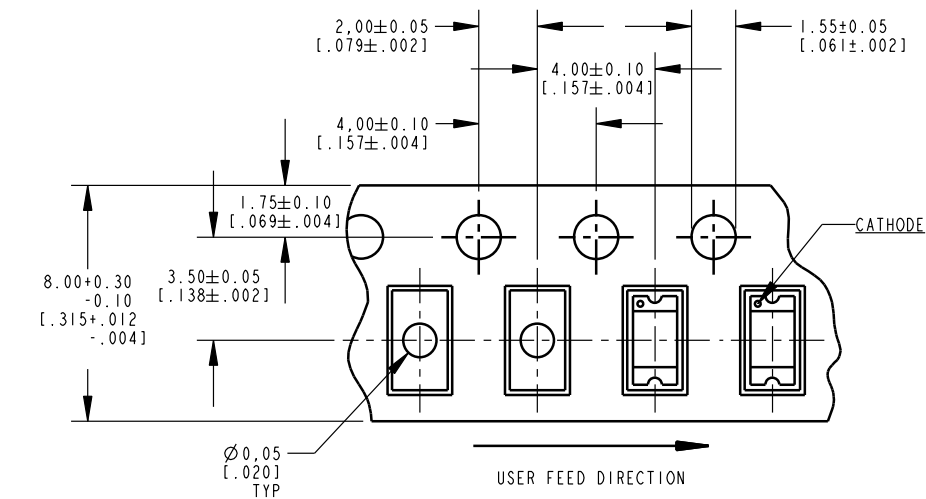


- NOTES:
- EPOXY COLOR: WATER CLEAR.
 - DIE: InGaN GREEN
 - LEADS: Au (GOLD) PLATED, OVER Ni (NICKEL) ON Cu (COPPER ALLOY) ON A FR4 SUBSTRATE.
 - SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C.
 - PART TAPED AND REELED PER EIA-RS-481-1.
 - PART SUPPLIED 3000 DEVICES PER 7" DIAMETER REEL, ONE REEL PER SEALED ALUMINUM BAG WITH DESICCANT.
 - 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.
 - THIS COMPONENT IS AN ELECTROSTATIC DISCHARGE SENSITIVE DEVICE (ESD). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
 - DIALIGHT P/N: 597-3326-607F FULL REEL OR -602F 20 PIECE SAMPLE STRIP.
 - TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
 - 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

Dialight
 1501 RT 34 SOUTH
 FARMINGDALE, NJ 07727

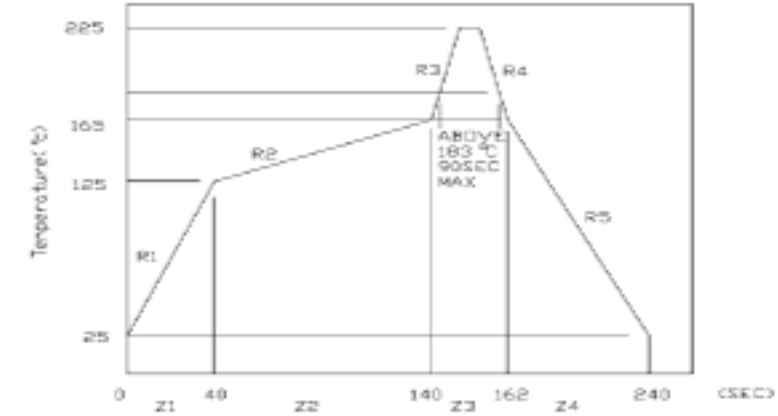
CATALOG P/N 597-3326-607F
 LED P/N 4500-597-3326-67
 DATE CODE/LOT # _____
 INTENSITY BIN/COLOR CODE _____
 QTY/REEL _____
 COUNTRY OF ORIGIN _____

FIGURE (1)

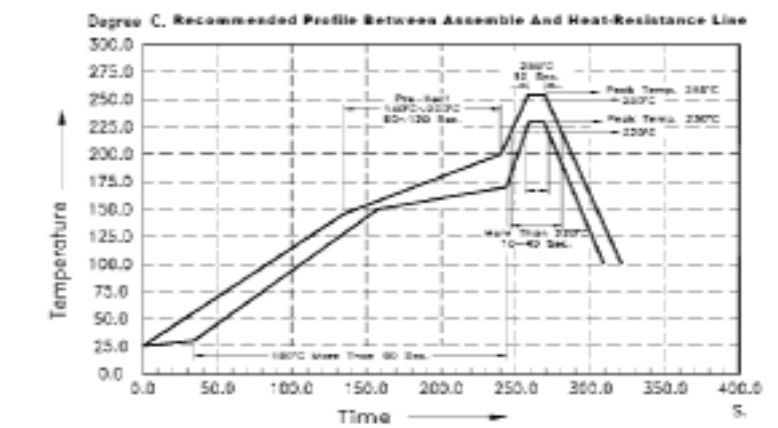


PACKAGE DIMENSIONS OF TAPE AND REEL

(1) Suggestion IR Reflow Profile For Normal Process



(2) Suggestion IR Reflow Profile For Pb Free Process

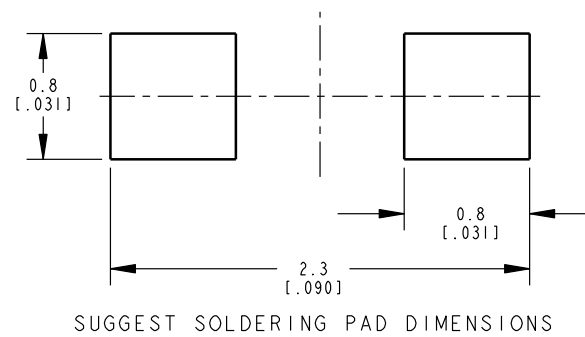


ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT

	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 (2θ 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 (Δλ)		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
 ALL DIM'S IN: MM (INCHES)

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

FINISH:

FSCM 83330

DRAWING NUMBER
 C-17230

REV
 A

TITLE
 SMT 0603 InGaN GREEN LED

MATERIAL

Dialight
 1501 ROUTE 34 SOUTH
 FARMINGDALE, NJ 07727

SHEET 1 OF 1 FAMILY TABLE: