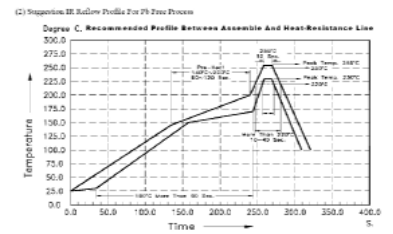
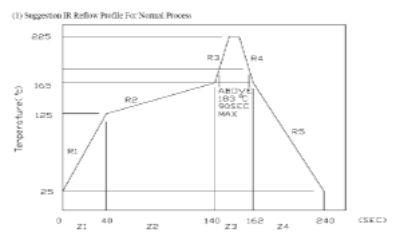
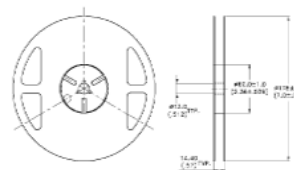
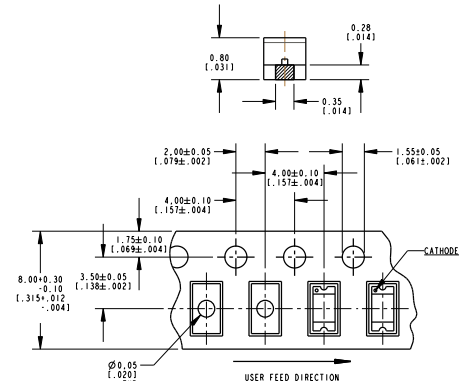


- NOTES:
1. EPOXY COLOR: WATER CLEAR.
  2. DIE: IAGON BLUE.
  3. LEADS: Au (GOLD) PLATED, OVER Ni (NICKEL) ON Cu (COPPER ALLOY) ON A FR4 SUBSTRATE.
  4. SOLDER ADHERENCE: BOTH LEADS PER MIL-STD-202E, METHOD 200C.
  5. PART TAPED AND REELED PER EIA-RS-481-1.
  6. PART SUPPLIED 3000 DEVICES PER 7" DIAMETER 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-EPOXY FULL REEL OR -EPOXY 20 PIECE SAMPLE STRIP.
  10. TAPE AND REEL LEADS 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 9102-117-0852-99 OR EQUIVALENT.

REV	ECN NO	REVISIONS	OWN	CD	APP	DATE
A		NEW RELEASE	TBC			

**DESIGN** 1000000000 **1000000000**  
 CHANGE P/N: 597-3607-EPOXY  
 OR P/N: 597-3607-12  
 DATE CODE LOT #  
 INTENSITY BIN/COLOR CODE  
 OTHERS:  
 QUANTITY OF ORDER

FIGURE (1)

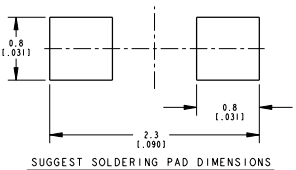


ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT

	BLUE	UNITS
POWER DISSIPATION	76	mW
DERATE LINEARLY FROM 50° C	0.25	mW/°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 <sub>v</sub> )	28.0	60.0	112.0	mcd	I <sub>f</sub> = 20 mA
VIEWING ANGLE (2θ @ I/2)		130		DEGREES	
PEAK WAVELENGTH (λ <sub>p</sub> )		468		nm	MEASUREMENT @ PEAK
DOMINANT WAVELENGTH (λ <sub>d</sub> )	465.0		475.0	nm	I <sub>f</sub> = 20 mA
SPECTRAL LINE HALF-WIDTH (Δλ)		25		nm	
FORWARD VOLTAGE (V <sub>f</sub> )	2.80		3.80	V	I <sub>f</sub> = 20 mA
REVERSE CURRENT (I <sub>r</sub> )			10	μA	V <sub>r</sub> = 5V



**ATTENTION:**  
 OBSERVE PRECAUTIONS FOR  
 HANDLING ELECTROSTATIC  
 SENSITIVE DEVICES

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SCALE: 25:000  
 ALL DIM'S IN: MM (INCHES)  
 UNLESS OTHERWISE SPECIFIED  
 FRACTIONS: 1/16, 1/8, 1/4  
 DECIMALS: 0.01, 0.05  
 DECIMALS: 1.0001, 0.0005  
 ANGLES: 1/2

DRAWING NUMBER: C-17231  
 REV: A

TITLE: SMT 0603 IAGON BLUE LED  
 MATERIAL: IAGON BLUE LED

DATE: 1/15/03  
 FSCM: 83330  
 SHEET: 1 OF 1 FAMILY TABLE:  
 1501 ROUTE 34 SOUTH  
 FARMINGDALE, NJ 07727