

Excellent Integrated System Limited

Stocking Distributor

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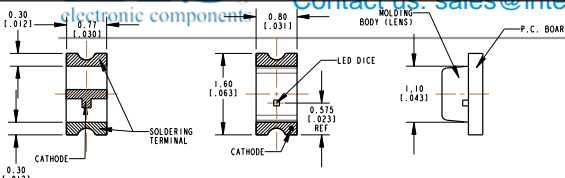
[Dialight](#)

[5973607602F](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

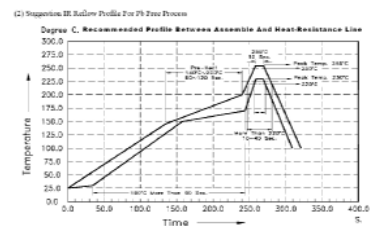
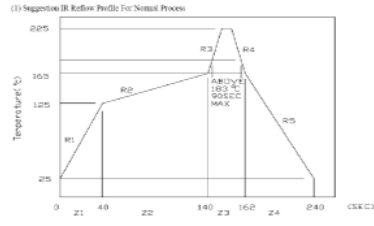
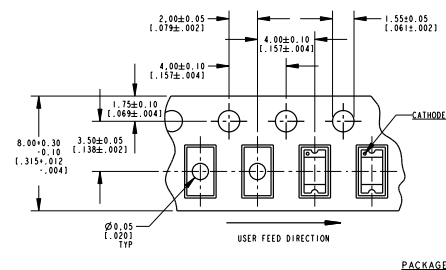
REV	REV NO	REVISIONS	DRN	CRD	APP	DATE
A		NEW RELEASE		TWC		



- NOTES:
1. EPOXY COLOR: WATER CLEAR.
 2. DIE: 160NM 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-95-481-1.
 6. PART SUPPLIED 3000 DEVICES PER 7" DIAMETER REEL.
 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-810.
 9. DIALIGHT P/N: 597-3607-602F FULL REEL OR 602F 50 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 9100-117-0852-99 OR EQUIVALENT.

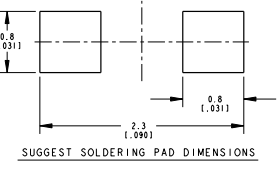


FIGURE (1)



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 +110	°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 (2θ 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 (Δλ)		25		nm	
FORWARD VOLTAGE (V _f)	2.80		3.80	V	I _f = 20 mA
REVERSE CURRENT (I _r)			10	μA	V _r = 5V



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SCALE: 20:008 DRAWING NUMBER: C-17231 REV: A

INTENDED FOR: 160NM BLUE CLEAR LED

FRACTIONS: 1/164

DECIMALS: 1.01; 0.01

DECIMALS: 1.001; 0.005

DECIMALS: 1.0001; 0.0005

UNITS: INCH

TITLE: SMT 0603 160NM BLUE LED

MATERIAL:

FINISH:

Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07721

FSM: 83330 SHEET 1 OF 1 FAMILY INCL: