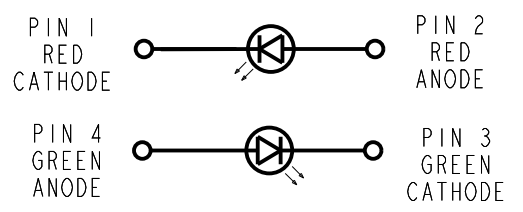


**TAPING SPECIFICATIONS**

OPERATING CHARACTERISTICS AT 25°C AMBIENT													
LED COLOR	LUMINOUS INTENSITY @ I <sub>F</sub> = 2 mA (mcd)			FORWARD VOLTAGE @ I <sub>F</sub> = 2 mA (V)		REVERSE CURRENT (μA) V <sub>R</sub> = 12V		DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)	
	MIN	TYP	MAX	TYP	MAX	TYP	MAX	MIN	TYP	MAX	TYP	TYP	
RED/GRN	RED	4.5	—	18	1.8	2.2	0.01	10	624	630	636	643	120
	GREEN	2.8	—	11.2	—	—	—	—	566	570	575	572	—

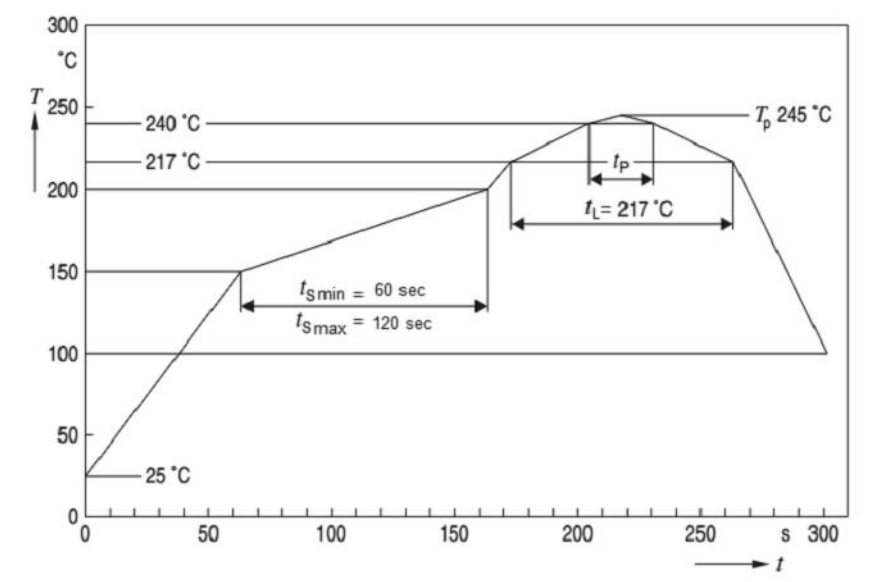


**LED SCHEMATIC**

**NOTES:**

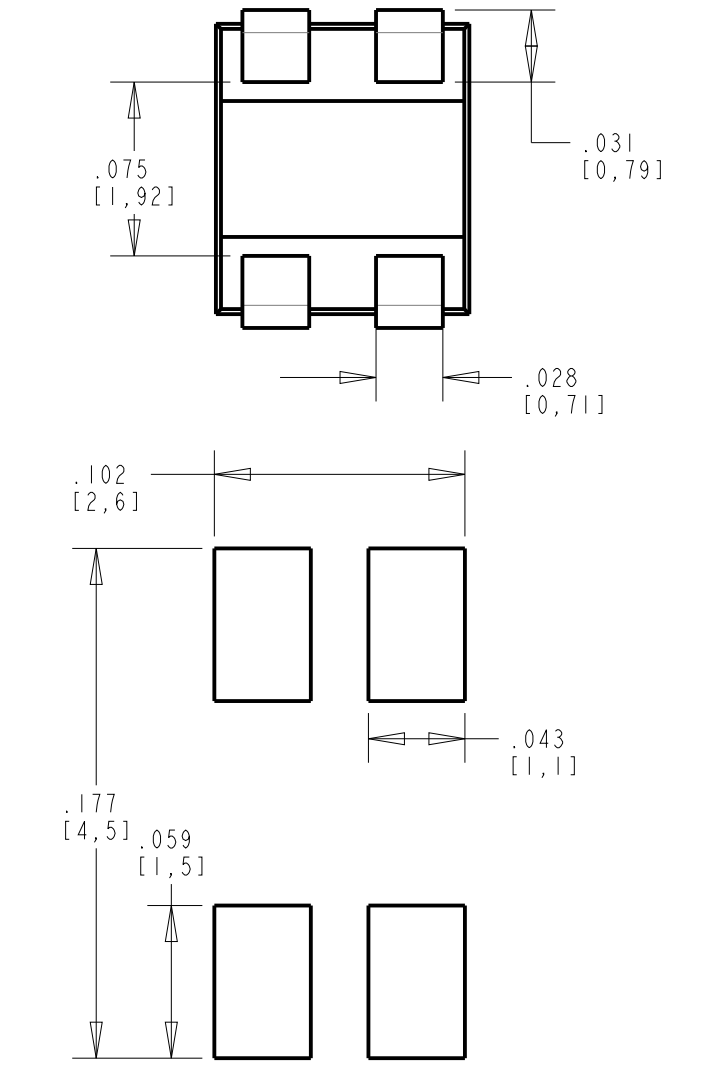
- EPOXY COLOR: WATER CLEAR.
- DIE: AlInGaP FOR BOTH COLORS
- LEAD FINISH: 100% TIN (Sn) OVER NICKEL (Ni) UNDERPLATING ON COPPER ALLOY (Cu).
- SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C.
- PART TAPED AND REELED PER EIA-RS-481-1.
- SUFFIX -202F FOR 20 PCS ON A SAMPLE TAPE STRIP.
- SUFFIX -207F FOR 7" DIAMETER REEL, PACKAGED 2000 PCS PER REEL.
- LABELING FOR REEL AND OUTSIDE OF ALUMINUM FOIL BAG: DIALIGHT P/N, R/G BICOLOR, QUANTITY PER REEL, DATE CODE, INTENSITY BIN CODE, LOT NUMBER AND COUNTRY OF ORIGIN.
- DIALIGHT P/N: 597-7701-202F, 597-7701-207F.
- TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
- MSL LEVEL: 2
- ESD WITHSTAND VOLTAGE UPTO 2kV ACC. TO JESD22-A114-D

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC	—	—	—
B	—	UPDATED SPECS FOR LC 2mA LED	BP	—	NO	3-13-18
C	—	UPDATED LED DIE IN NOTE 2, ADDED NOTE 11 & 12	BP	—	NO	3-14-18



**RECOMMENDED RoHS SOLDER PROFILE**

ABSOLUTE MAXIMUM RATINGS AT 25 °C AMBIENT	RED/GRN	YLW/GRN	UNITS
CONTINUOUS FORWARD CURRENT	15		mA
REVERSE VOLTAGE	12		V
SURGE CURRENT	100		mA
PEAK SOLDERING TEMPERATURE	245		°C
OPERATING TEMPERATURE	-40 TO +100		°C
STORAGE TEMPERATURE	-40 TO +100		°C
TIME ABOVE LIQUIDUS TEMPERATURE (t <sub>L</sub> )	80 Seconds Minimum 100 Seconds Maximum		S
TIME WITHIN 5°C OF SPECIFIED PEAK TEM (T <sub>p</sub> - 5°C)	10 Seconds Minimum 30 Seconds Maximum		S
PEAK TEMPERATURE T <sub>p</sub>	245 Recommended 260 Maximum		°C
RAMP-UP RATE TO PREHEAT (25°C TO 150°C)	2 °C/s Recommended 3 °C/s Max		°C/S
RAMP-UP RATE TO PEAK (T <sub>Smax</sub> TO T <sub>p</sub> )	3 °C/s Recommended 6 °C/s Max		°C/S
RAMP-DOWN RATE (T <sub>p</sub> TO 100°C)	3 °C/s Recommended 6 °C/s Max		°C/S
TIME (25°C TO T <sub>p</sub> )	480 Seconds Maximum		s



**RECOMMENDED SOLDER PAD LAYOUT**

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SCALE: 17.000  
ALL DIM'S: INCH (mm)

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

DRAWING NUMBER: C-17319  
REV: C

TITLE: 2mA R/G BI-COLOR ROHS COMPLIANT

MATERIAL:

**Dialight**  
1501 ROUTE 34 SOUTH  
FARMINGDALE, NJ 07727  
(732) 919-3119  
www.dialight.com

FSCM 83330  
SHEET 1 OF 1 FAMILY TABLE:



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