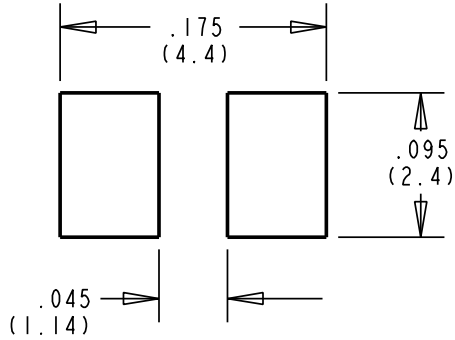
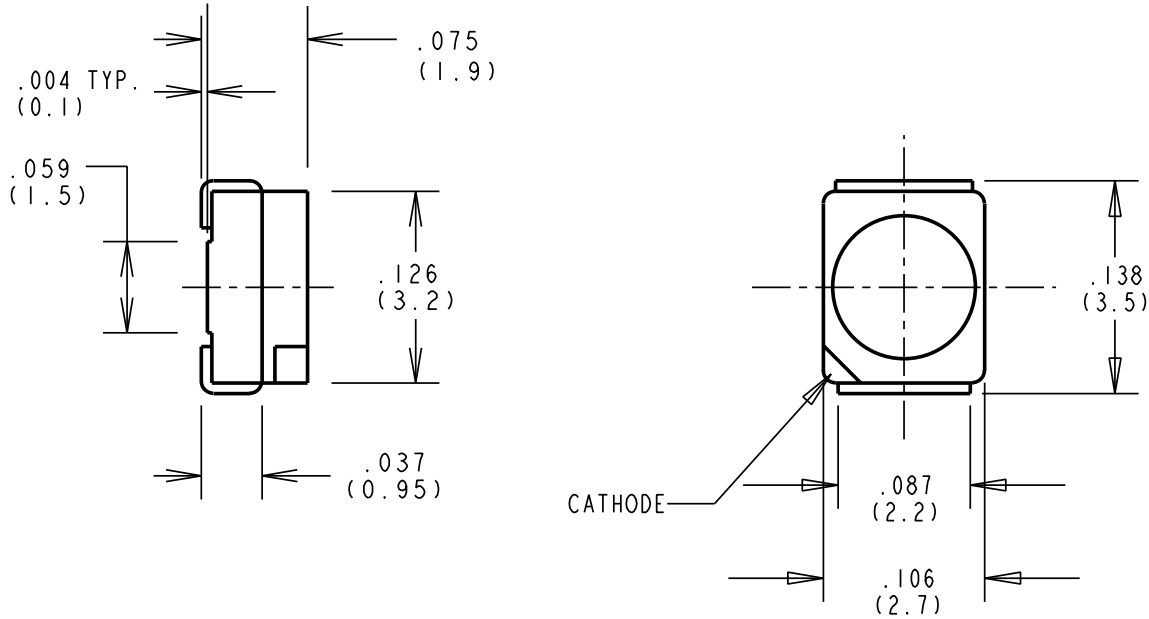
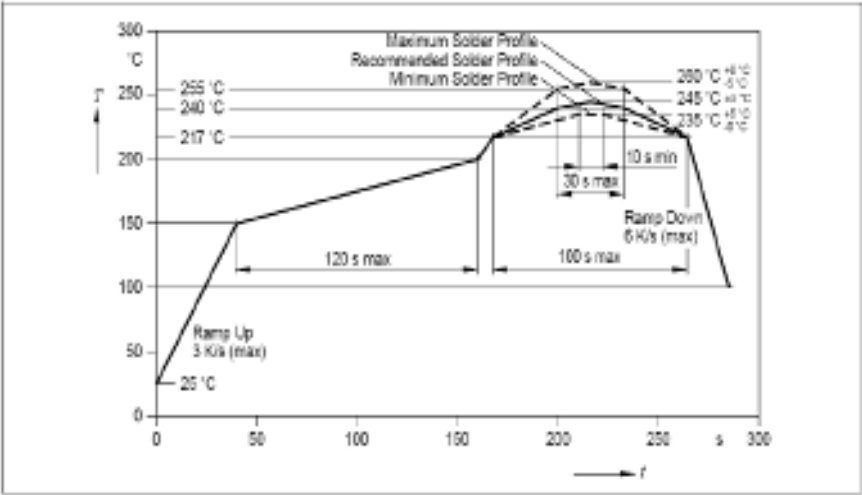


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	_____	NEW RELEASE	DC	YC	AV	1-4-00
B	_____	ADDED REFLOW PROFILE FOR ROHS COMPLIANT PARTS AND Sn/Pb SOLDERED PARTS; ADDED ESD NOTE & LOGO; ADDED NOTE 10; UPDATED PLATING NOTES; UPDATED FORMAT	TWC			



RECOMMENDED SOLDER PAD LAYOUT



REFLOW PROFILE FOR ROHS COMPLIANT PARTS

OPERATING CHARACTERISTICS AT 25° C AMBIENT

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	6.3		16.0	mcd	I _F = 10 mA
FORWARD VOLTAGE		3.5	4.2	V	I _F = 10 mA
REVERSE CURRENT		0.01	10	μA	V _R = 5 V
PEAK WAVELENGTH		428		nm	
2 X 1/2-INTENSITY ANGLE		120		DEGREES	

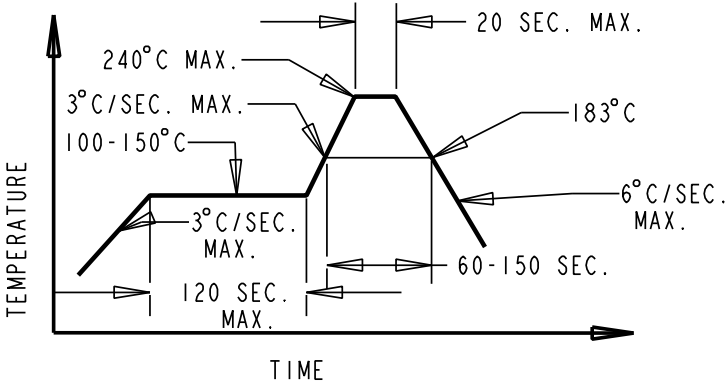
ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT

POWER DISSIPATION	100 mW
CONTINUOUS FORWARD CURRENT	20 mA
DERATE LINEARLY FROM 55° C	0.44 mA/°C
PEAK REVERSE VOLTAGE	5 V
SOLDERING PROFILE: IR - 235°C PEAK 15 SEC., 185°C - 90 SEC. MAX. FOR 597-3601-202, AND -207	
OPERATING AND STORAGE TEMPERATURE	-40 °C TO +100 °C

- NOTES:
1. EPOXY COLOR: WATER CLEAR.
 2. DIE: InGaN.
 - 3a. LEADS: TIN PLATING (Sn) 8.0±2.0 MICROMETERS OVER (Ni) NICKEL, 0.5-1.0 MICROMETERS OVER COPPER ALLOY
 - 3b. LEADS: 80/20 Sn/Pb SOLDER PLATED FOR DIALIGHT P/Ns 597-3601-202 AND -207.
 4. SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C.
 5. SUFFIX -202 FOR 20-PCS ON A SAMPLE TAPE STRIP.
 6. SUFFIX -207 FOR 180 mm DIA. REEL, 8 mm WIDE TAPE, PACKAGED 2000-PCS PER REEL WITH A PITCH OF 4 mm.
 7. DEVICES POSITIONED ON REEL WITH CATHODE SIDE TOWARDS SPROCKET.
 8. DIALIGHT P/N: 597-3601-202, 597-3601-207.
 9. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
 10. PRODUCT P/N WITH "F" SUFFIX ENDING IS ROHS COMPLIANT. DIALIGHT P/Ns 597-3601-202F & 597-3601-207F LEDS HAVE LEADS PLATED WITH PURE TIN (Sn). SEE NOTE 3a
 11. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



RECOMMENDED REFLOW SOLDERING PROFILE FOR 80/20 Sn/Pb PARTS

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SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-16643	REV B
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE BLUE SMT LED	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1		FAMILY TABLE: