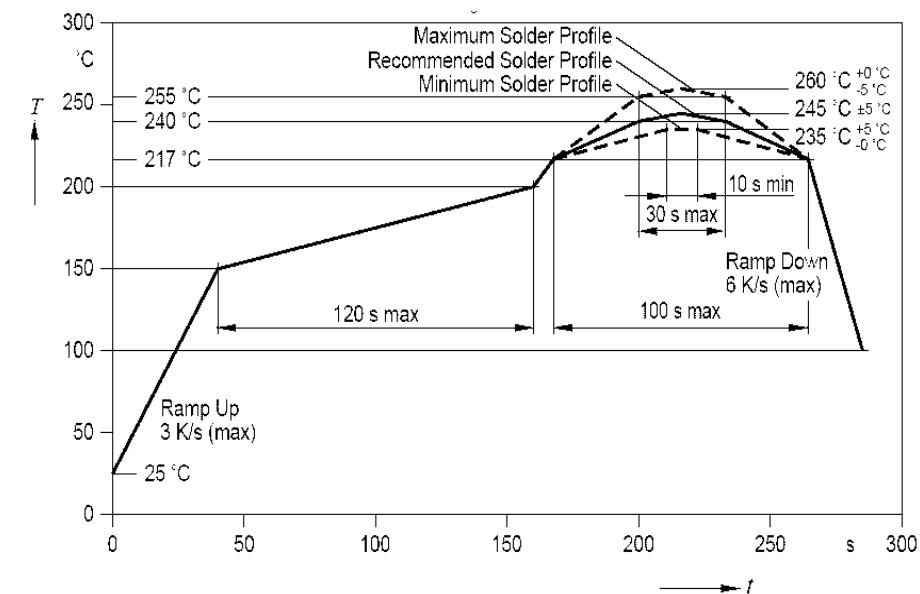


RECOMMENDED SOLDER PAD LAYOUT



RoHS REFLOW PROFILE

OPERATING CHARACTERISTICS AT 25° C AMBIENT

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	4.0	10		mcad	$I_F = 10 \text{ mA}$
FORWARD VOLTAGE		2.0	2.8	V	$I_F = 20 \text{ mA}$
PEAK WAVELENGTH		630		nm	
2 X 1/2-INTENSITY ANGLE		120		DEGREES	
CAPACITANCE		20		pF	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT

POWER DISSIPATION	100 mW
CONTINUOUS FORWARD CURRENT	30 mA
DERATE LINEARLY FROM 25° C	0.4 mA/°C
PEAK REVERSE VOLTAGE	5 V
OPERATING TEMPERATURE	-55 °C TO +85 °C
STORAGE TEMPERATURE	-55 °C TO +100 °C
IR REFLOW SOLDERING TEMPERATURE	260°C FOR 5 SEC
VAPOR PHASE SOLDERING CONDITION	215 °C FOR 3 MIN

NOTES:
1. EPOXY COLOR: WATER CLEAR.
2. DIE: GaAsP/GaP HIGH EFF. RED LED.
3. LEADS: TIN (Sn) PLATED OVER NICKEL (Ni) ON COPPER ALLOY (Cu) LEAD FRAME.
4. SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C.
5. SUFFIX -202F FOR 20-PCS ON A SAMPLE TAPE STRIP.
6. SUFFIX -207F 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: 597-3001-202F, 597-3001-207F.
9. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
10. THIS PRODUCT IS RoHS COMPLIANT. EACH REEL AND BAG IS MARKED WITH RoHS COMPLIANT LABEL (9100-117-0852-99) OR EQUIVALENT MARKINGS.

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SCALE: DRAWING SCALE	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17292	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: ±1/64		
DECIMALS (.XX): ±.01		
DECIMALS (.XXX): ±.005		
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH:		
FSCM 83330	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
SHEET 1 OF 1		FAMILY TABLE