



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

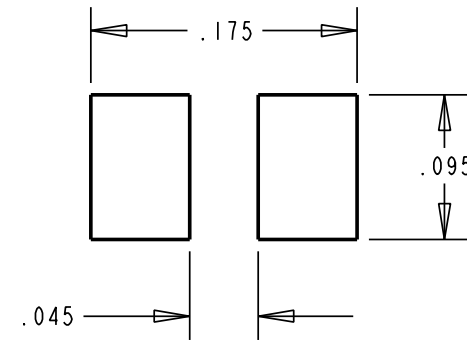
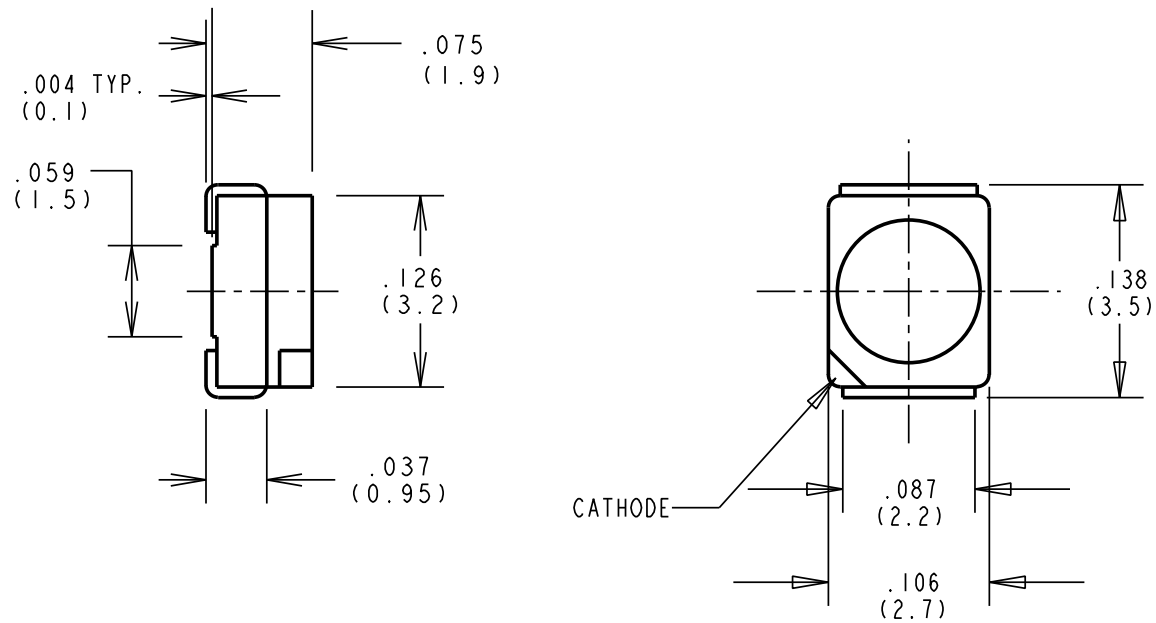
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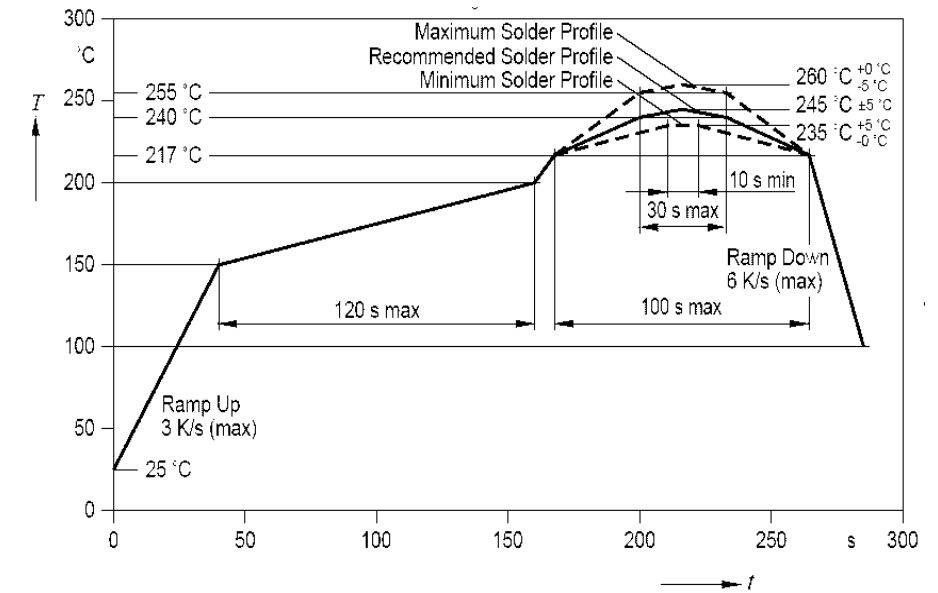
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REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TWC			



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		mc d	$I_f = 10 \text{ mA}$
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:

- EPOXY COLOR: WATER CLEAR.
- DIE: GaAsP/GaP HIGH EFF. RED LED.
- LEADS: TIN (Sn) PLATED OVER NICKEL (Ni) ON COPPER ALLOY (Cu) LEAD FRAME.
- SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C.
- SUFFIX -202F FOR 20-PCS ON A SAMPLE TAPE STRIP.
- SUFFIX -207F FOR 180 mm DIA. REEL, 8 mm WIDE TAPE, PACKAGED 2000-PCS PER REEL WITH A PITCH OF 4 mm.
- DEVICES POSITIONED ON REEL WITH CATHODE SIDE TOWARDS SPROCKET.
- DIALIGHT P/N: 597-3001-202F, 597-3001-207F.
- TAPE AND REEL LEDs MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
- 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 ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17292	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE RED SMT PLCC-2 LED RoHS COMPLIANT	MATERIAL
FINISH:		
FSCM 83330	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1 FAMILY TABLE:		