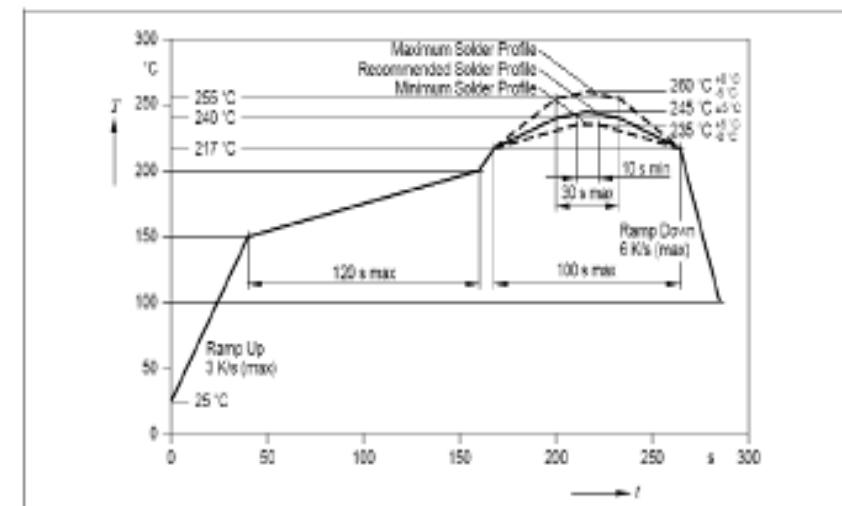
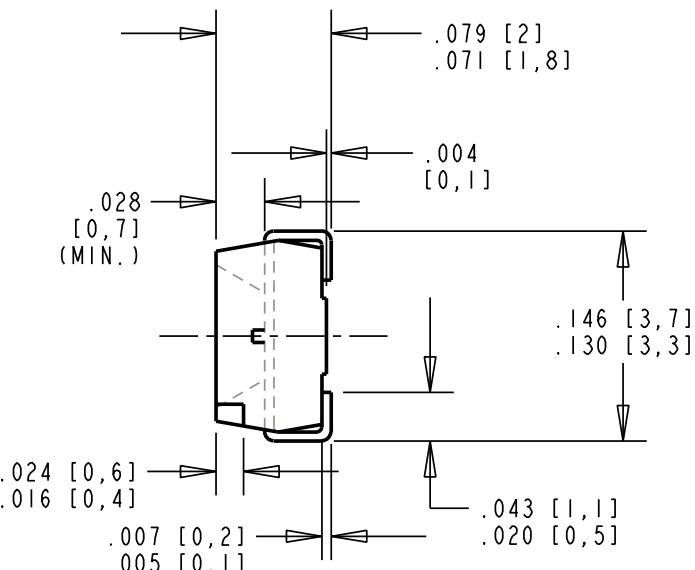
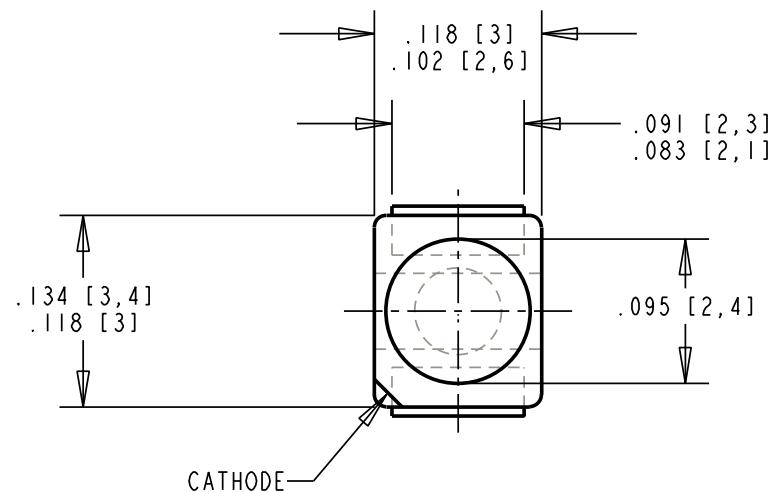
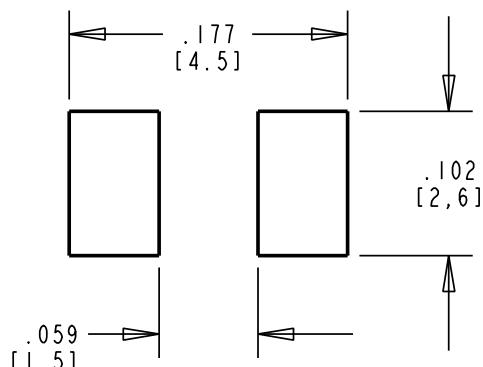


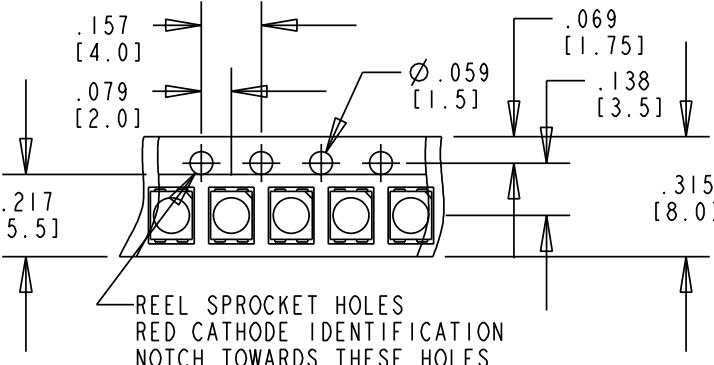
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC			



RoHS COMPLIANT SOLDER REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT



TAPE & REEL CONFIGURATION

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	7.1	12.6	18.0	mcd	$I_F = 10 \text{ mA}$
FORWARD VOLTAGE		2.0	2.5	V	$I_F = 10 \text{ mA}$
REVERSE CURRENT		.01	10.0	mA	$V_R = 5 \text{ V}$
PEAK WAVELENGTH		586		nm	
DOMINANT WAVELENGTH	580	587	595	nm	
VIEWING ANGLE (2 q 1/2)		120		DEG.	$I_F = 10 \text{ mA}$

ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT	YELLOW	UNITS
POWER CONSUMPTION	95	mW
CONTINUOUS FORWARD CURRENT	30	mA
REVERSE VOLTAGE	5	V
OPERATING TEMPERATURE	-40 TO +100	°C
STORAGE TEMPERATURE	-40 TO +100	°C
SOLDERING TEMPERATURE @ 15 SEC	245	°C

NOTES:

1. EPOXY COLOR: WATER CLEAR.
2. DIE: GaAsP/Gap (YELLOW LED).
3. LEAD FINISH: TIN (Sn) OVER NICKEL (Ni) UNDERPLATING 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: 597-3401-202F, 597-3401-207F.
9. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
10. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

RoHS Compliant 597-3401-20XF Surface Mount LED

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 597-3401-207F

Packaging is marked with "RoHS Compliant" label or equivalent markings.

Parts can be reflow soldered per RoHS reflow profile, wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 10 sec.

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SCALE: DRAWING SCALE	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17406	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: ±1/64		
DECIMALS (.XX): ±.01		
DECIMALS (.XXX): ±.005		
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH:		
Dialight	1501 ROUTE 34 SOUTH	
	FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE:



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES