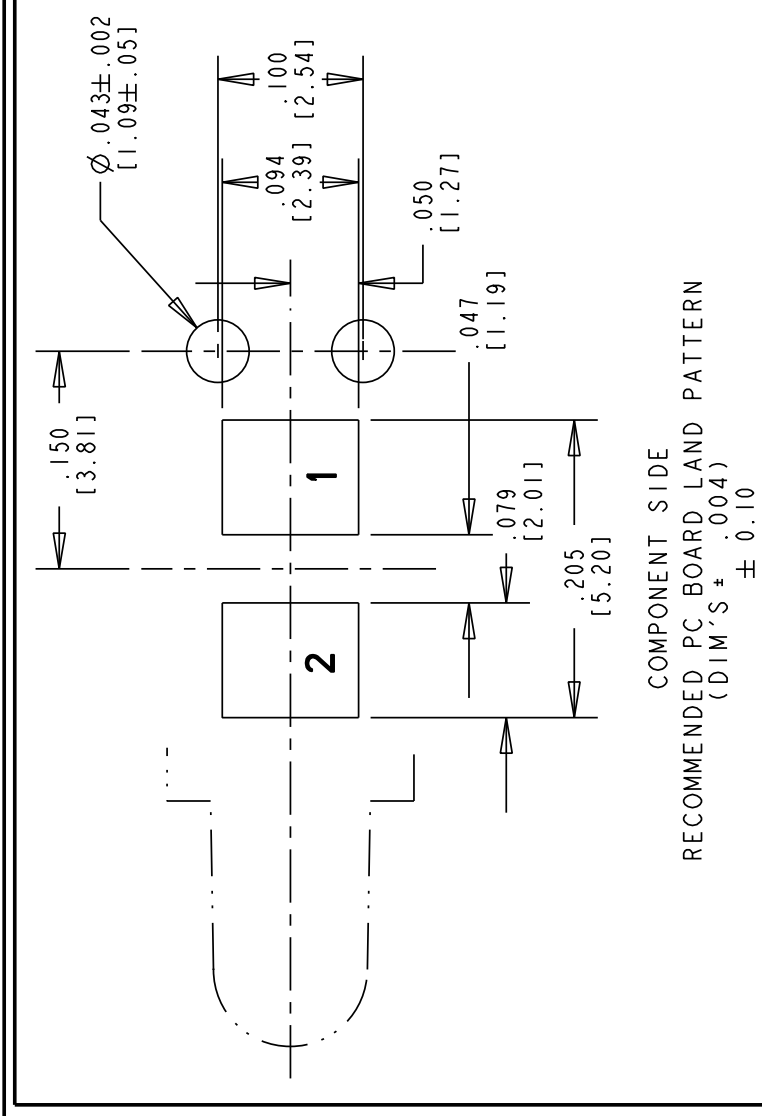


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	CE			

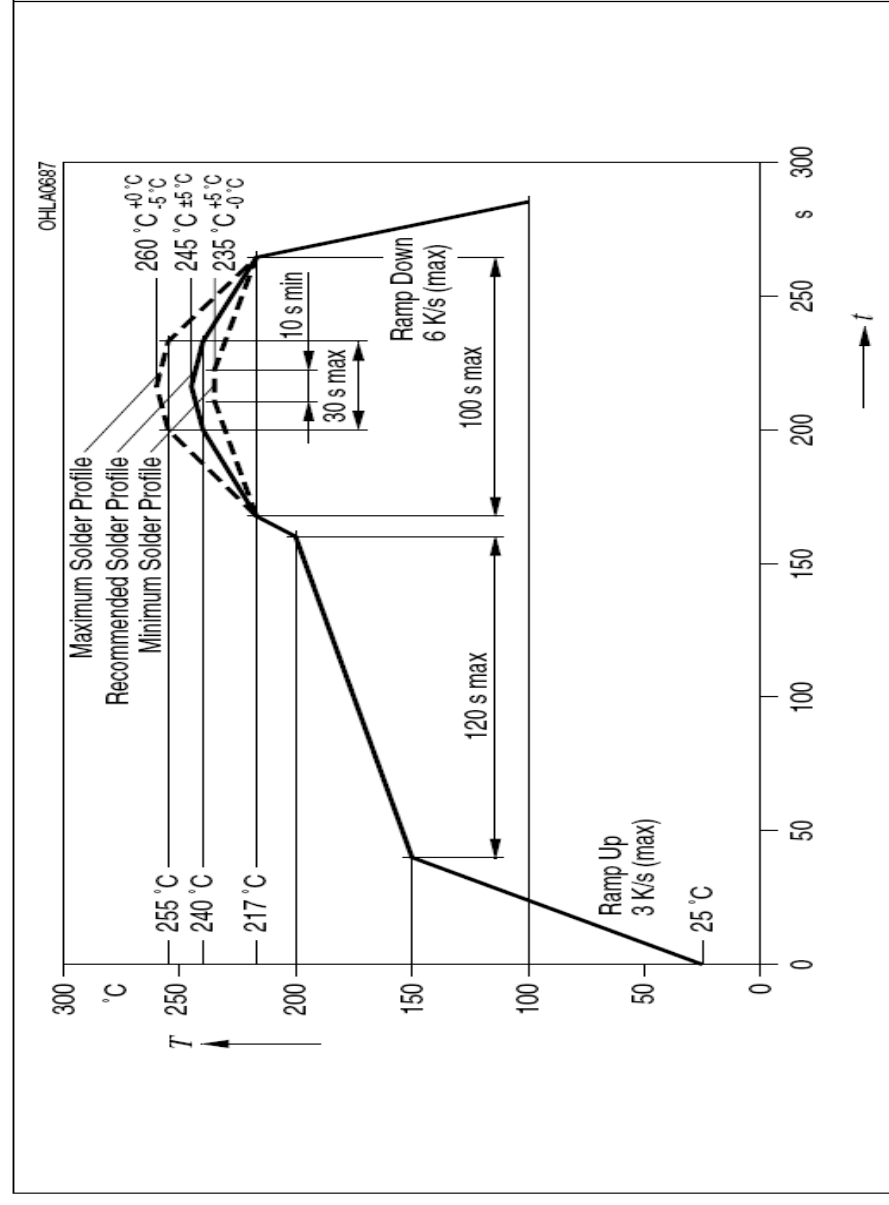


COMPONENT SIDE
RECOMMENDED PC BOARD LAND PATTERN
(DIM'S ± 0.10)

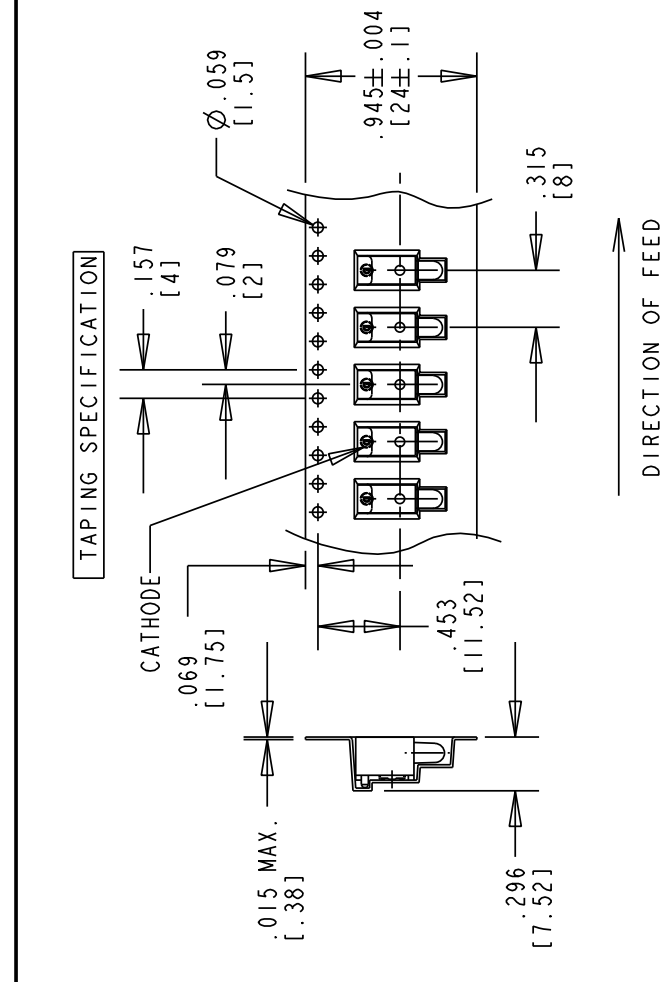
- NOTES:
1. MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
 2. PAD NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 3. STORAGE CONDITIONS FOR TAPED PRODUCT: RE-TAPING MAY BE NECESSARY FOR PRODUCT STORED MORE THAN TWELVE MONTHS.
 3. ORDER QUANTITY IS LED ASSEMBLIES, NOT REELS.
 5. LENS MOVEMENT IN RELATIONSHIP TO THE HOUSING IS:
.009" T.I.R. VERTICALLY.
.007" T.I.R. HORIZONTALLY.
 6. FRONT AND REAR TERMINALS OF ASSEMBLY TO BE WITHIN .005 COPLANARITY.
 7. LED LEAD FRAME MATERIAL:
CORE MATERIAL = COPPER (Cu)
FINISH: MATT TIN (Sn) 8.0 ± 2.0 μ metres.
UNDER PLATING: NICKEL (Ni) 0.5-1.0 μ metres.
 8. PACKAGED ON .24mm CARRIER TAPE (8mm PITCH) ON 13" REEL.
1200 PARTS PER REEL, TAPE & REEL AS PER EIA STD. SPEC EIA-481 REV A.
 9. DEVICE HAS A MOISTURE SENSITIVITY LEVEL OF 2
 10. DIALIGHT PART NUMBERS = 591-2201-202F & 591-2201-213F

LED SPECIFICATIONS						
OPERATING CHARACTERISTICS AT 25 °C AMBIENT						
LED CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST CONDITIONS	UNITS
LUMINOUS INTENSITY	9	1		mc/d	I _f = 10 mA	mW
FORWARD VOLTAGE	2.0	2.5		V	I _f = 10 mA	mA
REVERSE VOLTAGE	12			V	I _r = 10 μA	V
PEAK WAVELENGTH	572			nm	I _f = 10 mA	°C
VIEWING ANGLE (2 θ _{1/2})	120			deg.	I _f = 10 mA	°C
DOMINANT WAVELENGTH	564	570	576	nm	I _f = 10 mA	A

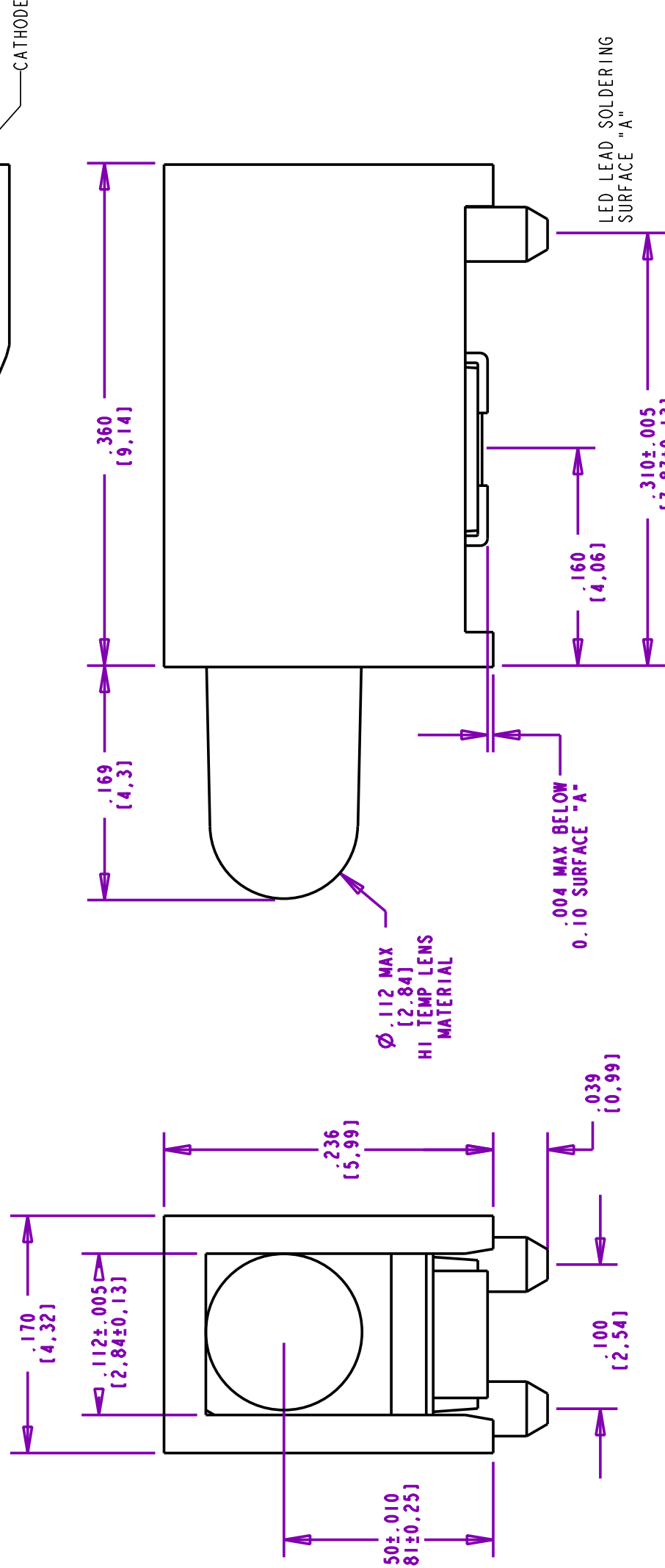
ABSOLUTE MAXIMUM RATINGS AT 25 °C AMBIENT		UNITS
POWER DISSIPATION	95	mW
DERATE LINEARLY FROM 60 °C	0.25	mA/°C
CONTINUOUS FORWARD CURRENT	30	mA
PEAK REVERSE VOLTAGE	12	V
SOLDERING PROFILE 260 °C PEAK @ 10 SEC		°C
OPERATING/STORAGE TEMPERATURE	-40 TO +100	°C
SURGE CURRENT t ≤ 10 μs, D = .005	.5	A



SOLDERING PROFILE



TOLERANCE: .004 UNLESS OTHERWISE SPECIFIED.
MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

RoHS Compliant 591-2X01-2XXF
Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 591-2201-202F
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.

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.	
SCALE: 10:000	DRAWING NUMBER: C-17505
ALL DIM'S IN: INCHES (MM)	REV: A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE: 3 mm PRISM CBI
FRACTIONS: ±1/64	RoHS COMPLIANT
DECIMALS (.XX): ±.01	MATERIAL:
DECIMALS (.XXX): ±.005	FINISH:
DECIMALS (.XXXX): ±.0005	FSCM: 83330
ANGLES: ±1°	SHEET 1 OF 1 FAMILY TABLES:
DIALIGHT	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727

