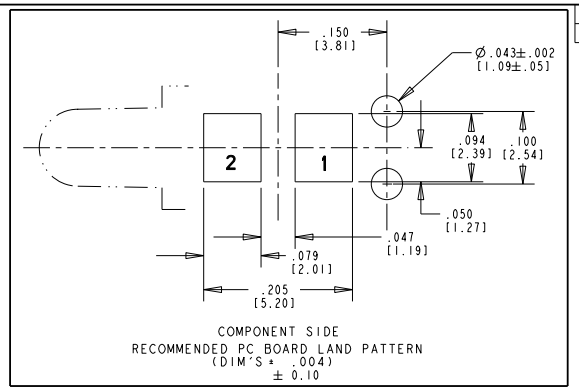
Downloaded from Elcodis.com electronic components distributor

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
11. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

PART NUMBER	COLOR	PACKAGING
591-2201-202F	GREEN	20 PCS. STRIP
591-2201-213F	GREEN	13 PCS. REEL



COMPONENT SIDE
RECOMMENDED PC BOARD LAND PATTERN
(DIM'S ± .004)
± 0.10

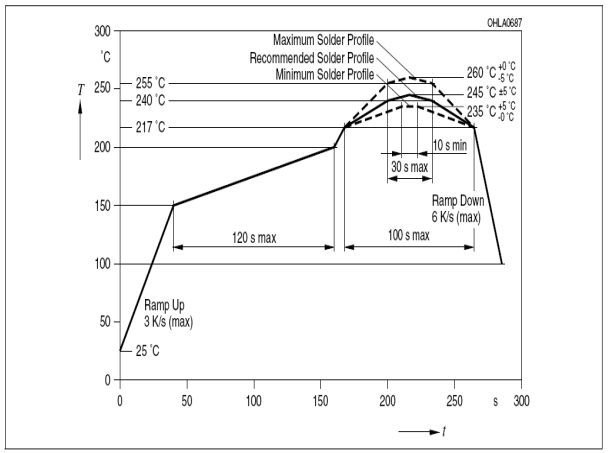
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	——	NEW RELEASE	CE			

LED SPECIFICATIONS

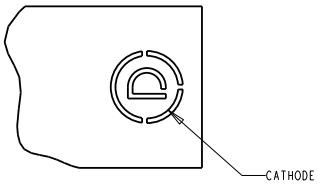
OPERATING CHARACTERISTICS AT 25°C AMBIENT

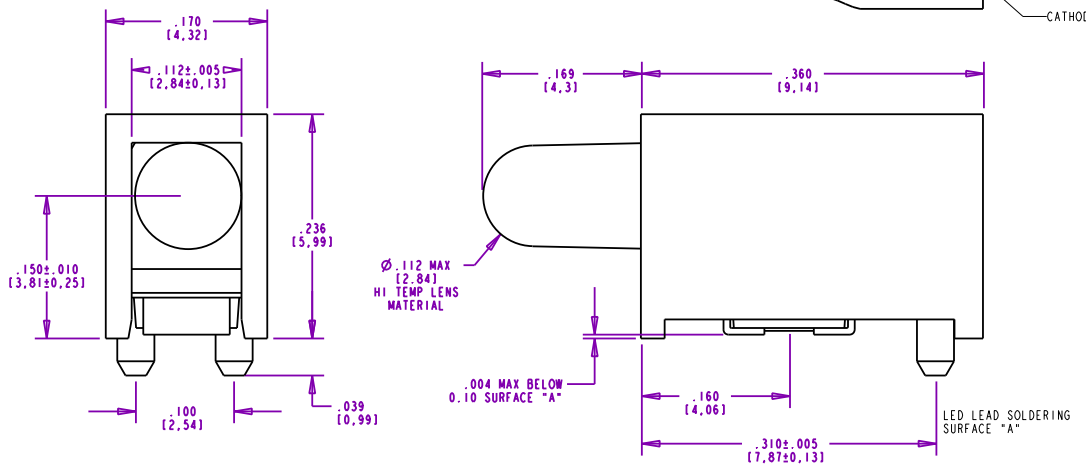
LED CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMIOUS INTENSITY		9.1		mcd	I_F= 10 mA
FORWARD VOLTAGE		2.0	2.5	V	I_F= 10 mA
REVERSE VOLTAGE		12		V	I_R= 10 µA
PEAK WAVELENGHT		572		nm	I_F= 10 mA
VIEWING ANGLE (2 @1/2)		120		deg.	I_F= 10 mA
DOMINANT WAVELENGTH	564	570	576	nm	I_F= 10 mA

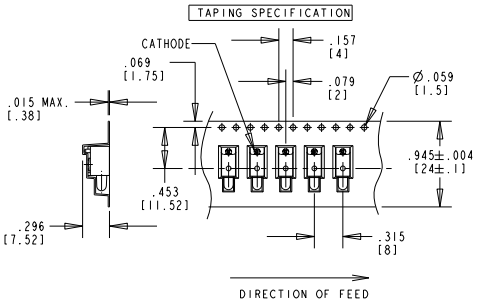
ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		UNITS
POWER DISSIPATION	95	mW
DERATE LINEARLY FROM 60°C	0.25	mA/°C
CONTINUOS FORWARD CURRENT	30	mA
PEAK REVERSE VOLTAGE	12	V
SOLDERING PROFILE 260°C PEAK @ 10 SEC		°C
OPERATING/STORAGE TEMPERATURE	-40 TO +100	°C
SURGE CURRENT t≤ 10 µs, D= .005	.5	A



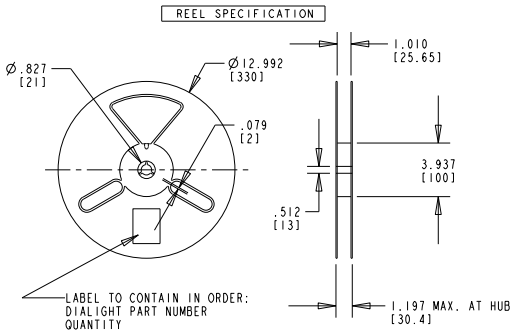
SOLDERING PROFILE





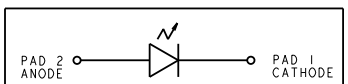


TOLERANCE: .004 UNLESS OTHERWISE SPECIFIED.
MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.



13 INCH DIA. REEL SPECIFICATIONS

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 REV A
ALL DIM'S IN: INCHES (MM)	
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE 3 mm PRISM CBI RoHs COMPLIANT
	MATERIAL -
FINISH: -	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
FSCM 83330	SHEET 1 OF 1 FAMILY TABLES: