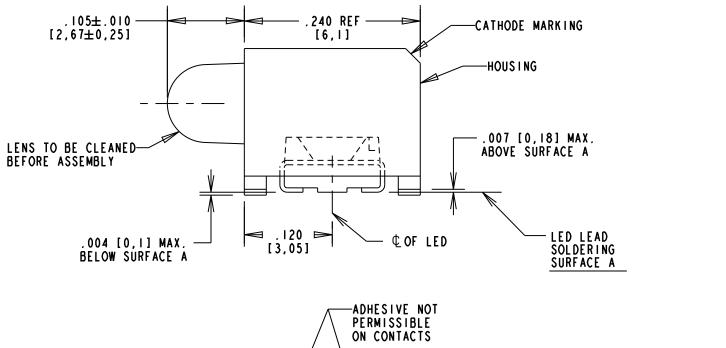
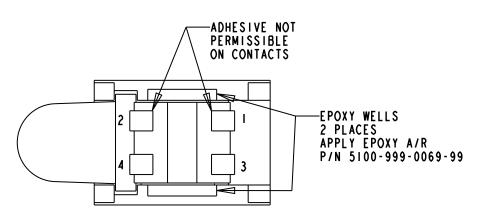
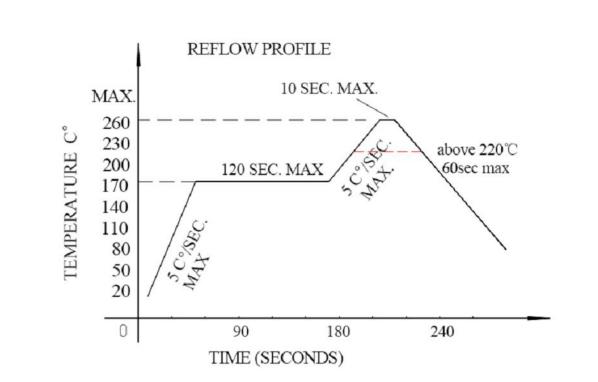


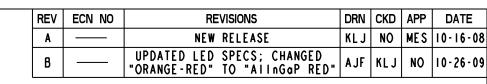
ABSOLUTE MAXIMUM RATINGS AT TA=25°C	COL	UNITS	
ADSOLUTE MAXIMUM RATINGS AT TA-25 C	AlinGaP RED	GREEN	UNITS
POWER DISSIPATION	66	105	mW
FORWARD CURRENT	30	)	mA
PULSE FORWARD CURRENT	10	0	mA
REVERSE VOLTAGE	5		٧
DERATE LINEARLY FROM 80°C	0.	5	mA/°C
OPERATING TEMPERATURE	-40 TO	+100	°C
STORAGE TEMPERATURE	-40 TO	+100	°C
HAND SOLDERING TEMPERATURE, 5 SEC.	26	0	°C

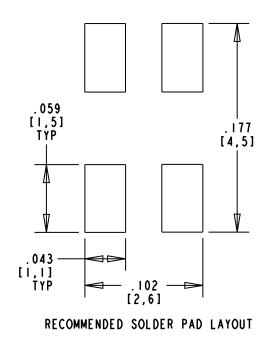
OPERATING CHARACTERISTICS AT 25°C AMBIENT									
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS			
LUMINOUS INTENSITY	AlinGaP RED	100	175	250	d	Ir = 20 mA			
	GREEN	300	450	600	mcd	IF - ZU MA			
FORWARD VOLTAGE	AlinGaP RED	1.8		2.2	v	Ir = 20 mA			
	GREEN	3.0		3.5	<b>,</b>	1F - 20 MA			
DOMINANT WAVELENGTH	AlinGaP RED	620	625	630		Ir = 20 mA			
	GREEN	520	525	530	nm				
REVERSE CURRENT	ALL			10	Aμ	V <sub>R</sub> = 5 V			
VIEWING ANGLE	ALL		50		Degree	Ir = 20 mA			





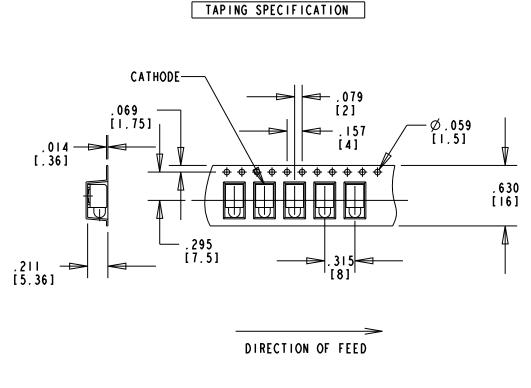


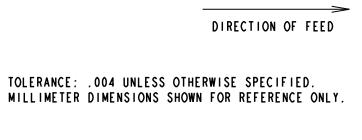


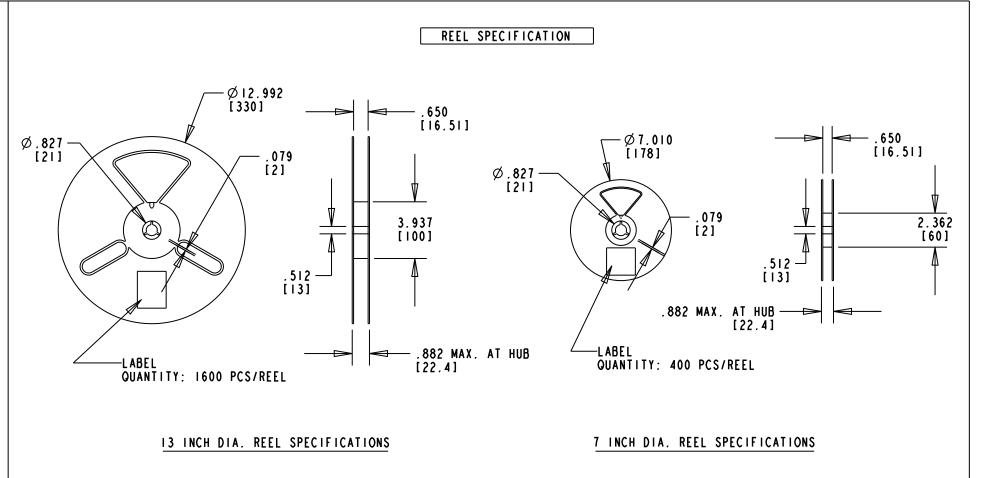


## NOTES:

- I. MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
- 2. PAD NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- STORAGE CONDITIONS FOR TAPED PRODUCT: RE-TAPING MAY BE NECESSARY FOR PRODUCT STORED MORE THAN TWELVE MONTHS.
- 4. ORDER QUANTITY IS LED ASSEMBLIES, NOT REELS.
- 5. -835F SUFFIX MEANS PARTS ARE PACKED ON A 20 PCS SAMPLE STRIP.
  -836F SUFFIX MEANS PARTS ARE PACKED ON A 7 INCH REEL, 400 PCS/REEL.
  -837F SUFFIX MEANS PARTS ARE PACKED ON A 13 INCH REEL, 1600 PCS/REEL.
- 6. LENS MOVEMENT IN RELATIONSHIP TO THE HOUSING IS: .009" T.I.R. VERTICALLY. .007" T.I.R. HORIZONTALLY.
- 7. FRONT AND REAR TERMINALS OF ASSEMBLY TO BE WITHIN .005 COPLANARITY.
- 8. DIALIGHT PART NUMBER: 591-3001-835F, 591-3001-836F, 591-3001-837F.
- 9. DEVICE HAS A MOISTURE SENSITIVITY LEVEL "3" CAUTION LABEL APPLIED AS PER JEDEC STD. 033.
- 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 591-3001-83XF

Part Numbers with the "F" suffix ending are RoHS Compliant. For example: 591-3001-836F
Reel and bag packaging are marked with "RoHS Compliant"
label or equivalent markings. These parts can be used with RoHS reflow profile. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

THE SOLE PROPERTY OF CONSTRUCTION	THE CONTENTS HEREIN ARE CONFIDENTIA OF DIALIGHT, REPRODUCTION OF THIS DI OF ANY PARTS WITHIN THIS DRAWING A OUT THE WRITTEN CONSENT OF DIALIGHT	RAWING RE			
SCALE: DRAWING SCALE	DRAWING NUMBER	REV			
ALL DIM'S IN; INCHES (MM)	C-17658	R			
TOLERANCES: UNLESS OTHERWISE SPECIFIED	C 17030				
FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.015	TITLE AIInGOP RED/GREEN BI-COLOR PRISM ROUND LENS; ROHS COMPLIANT				
ANGLES: ±3°	MATERIAL				
FINISH:	Dialight 1501 ROUTE :				
FSCM	SHEET I OF I FAMILY TABLE:				