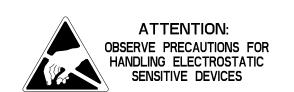
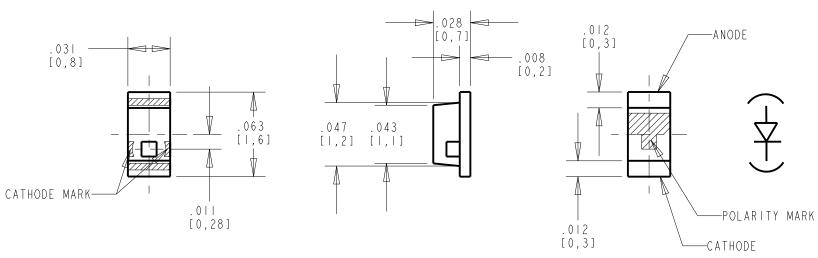
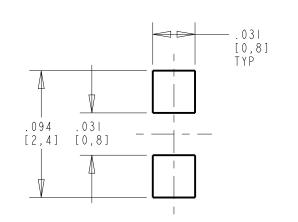
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
Α		NEW RELEASE	RSK	WFB	NO	11-12-2014

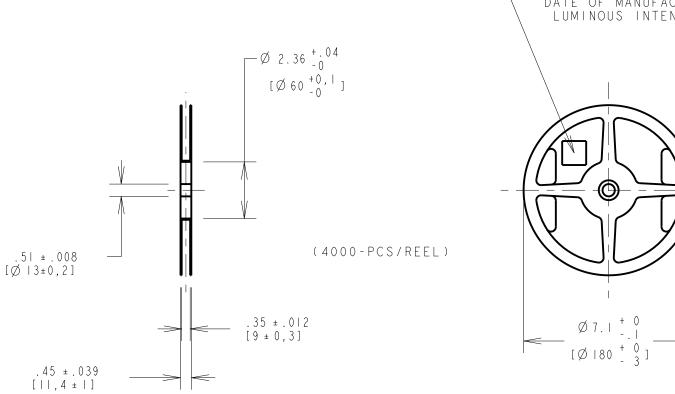
DIALIGHT PART NO.	LED COLOR	LED CHIP MATERIAL	E P O X Y C O L O R
597-5312-407NF, -402NF	GREEN	GaP	CLEAR DIFFUSED





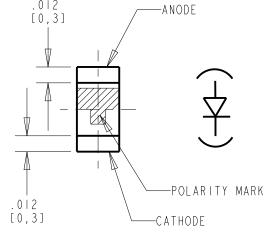


SOLDER PAD LAYOUT

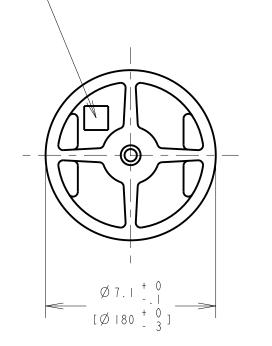


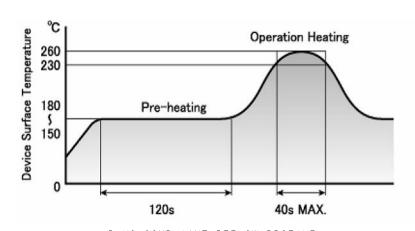
REEL SPECIFICATION

NO SCALE

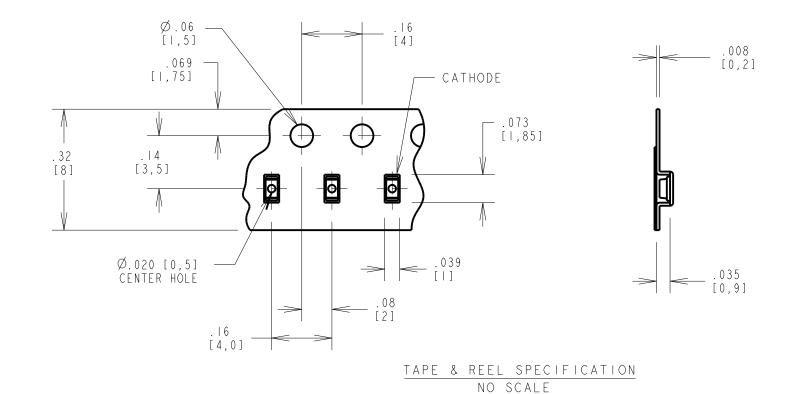








ROHS COMPLIANT REFLOW PROFILE



OPERATING CHARACTERISTICS AT 25°C AMBIENT

PEAK WAVELENGTH (nm) TYP	DOMINANT WAVELENGH (nm)		VIEWING ANGLE (°)	LUMINOUS INTENSITY (mcd) @ IF=20mA			FORWARD VOLTAGE (V) @ IF=20mA			REVERSE CURREN' (_R)(µA) V _R =4V			
	MIN	TYP	MAX		MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX
560	565	567	572	152	4.5		15.1		2.1	2.8			100

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT	GREEN	UNITS
POWER DISSIPATION	8 4	mW
FORWARD CURRENT	30	mA
PEAK FORWARD CURRENT (≤ 1/20 DUTY CYCLE T _W ≤ 1 msec)	70	mA
REVERSE VOLTAGE	4	V
OPERATING TEMPERATURE	-40 TO +100	°C
STORAGE TEMPERATURE	-40 TO +120	°C
DERTATE LINEARLY FROM 75°C	1.0	mA/C°

NOTES:

- SOLDER TERMINALS: GOLD (Au) PLATED, OVER NICKEL (Ni), COPPER (Cu)
- SUBSTRATE ON FR-4 LAMINATE
- SOLDER ADHERANCE: EACH PAD PER MIL-STD-202E, METHOD 208C.
- 3. TAPE AND REEL AS PER EIA STANDARD 481-1, WITH CATHODE TOWARD SPROCKET.
 4. PARTS PACKAGED ON 180 mm DIA REEL, 8 mm TAPE, 4000/REEL (SEE SKETCH).
 5. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.

- 6. DIALIGHT PART NUMBER: 597-5312-407NF AND 597-5312-402NF
 7. THIS PRODUCT IS P6 FREE. IT IS IN COMPLIANCE WITH THE
 EUROPEAN UNION'S ROHS DIRECTIVE. EACH BAG AND REEL
 IS MARKED WITH THE ROHS COMPLIANT LABEL P/N 9100-117-0852-99
- OR EQUIVALENT 8. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

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: DRAWING SCALE DRAWING NUMBER

REV ALL DIM'S IN: INCHES (MM) C-18122 TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 TITLE GREEN SM LED W/CLR LENS RoHS COMPLIANT DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005

DECIMALS (.XXXX): $\pm.0005$ ANGLES: $\pm 1^{\circ}$

FINISH:

FSCM 83330

Dialight I501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727

SHEET I OF I FAMILY TABLE

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