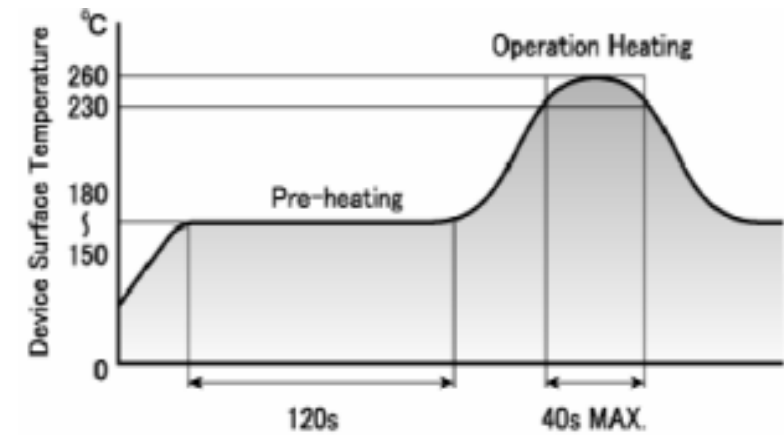


OPERATING CHARACTERISTICS AT 25 °C AMBIENT

DIALIGHT P/N	COLOR	LENS COLOR	I _F (mA)	FORWARD VOLTAGE (V)		LUMINOUS INTENSITY (mcd)			PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)			REVERSE CURRENT (μA) (V _R = 4 V)	VIEWING ANGLE (2θ 1/2)	REVISIONS			
				TYP.	MAX.	MIN.	TYP.	MAX.		MIN.	TYP.	MAX.			MAX.	REV	ECN	DRN
597-3111-402F	RED	WATER CLEAR	20	1.7	2.0	12.0	33.6	55.2	660	640	647	655	100	70	A	---	TWC	10-28-05
597-3111-407F	RED	WATER CLEAR	20	1.7	2.0	12.0	33.6	55.2	660	640	647	655	100	70	A	---	TWC	10-28-05
597-3311-402F	GREEN	WATER CLEAR	20	2.1	2.5	6.0	12.0	18.0	560	560	567	575	100	70	A	---	TWC	10-28-05
597-3311-407F	GREEN	WATER CLEAR	20	2.1	2.5	6.0	12.0	18.0	560	560	567	575	100	70	A	---	TWC	10-28-05
597-3401-402F	YELLOW	WATER CLEAR	20	2.2	2.5	3.0	6.0	9.0	580	583	590	597	100	70	A	---	TWC	10-28-05
597-3401-407F	YELLOW	WATER CLEAR	20	2.2	2.5	3.0	6.0	9.0	580	583	590	597	100	70	A	---	TWC	10-28-05

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



RoHS COMPLIANT SOLDER PROFILE

NOTES:

- DIE: GaAlAs (RED LED), GaP (GREEN), GaAsP (YELLOW)
- SOLDER PADS ARE GOLD PLATED.
- SUFFIX -402F FOR 20-PCS ON A SAMPLE TAPE STRIP.
- SUFFIX -407F FOR 7" DIA. REEL, .315" WIDE TAPE, PACKAGED 2500-PCS PER REEL WITH A PITCH OF .158".
- DEVICES POSITIONED ON REEL WITH CATHODE SIDE TOWARDS SPROCKET.
- TAPE AND REEL LEDs MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
- DIALIGHT PART NUMBER: RED: 597-3111-402F, -407F
GREEN: 597-3311-402F, -407F
YELLOW: 597-3401-402F, -407F

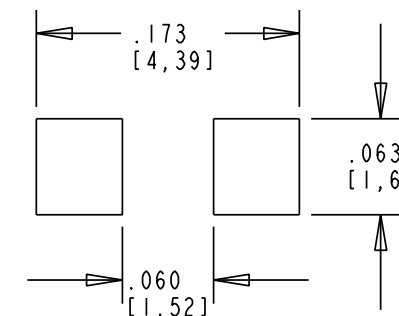
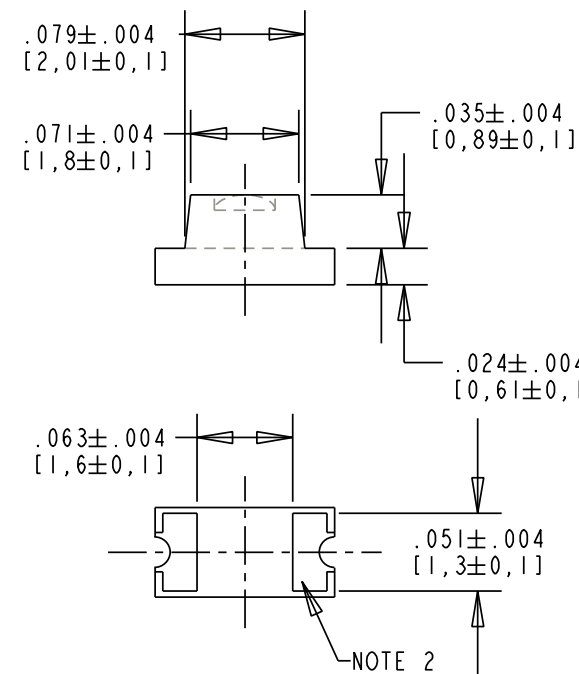
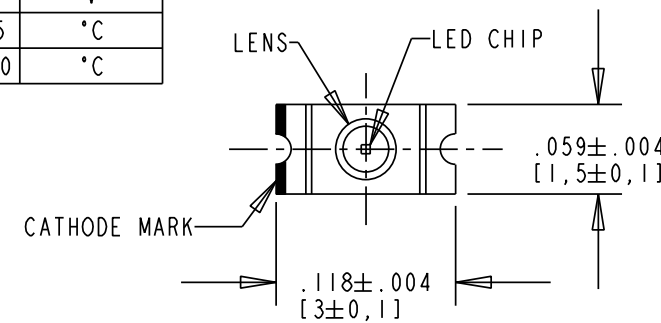
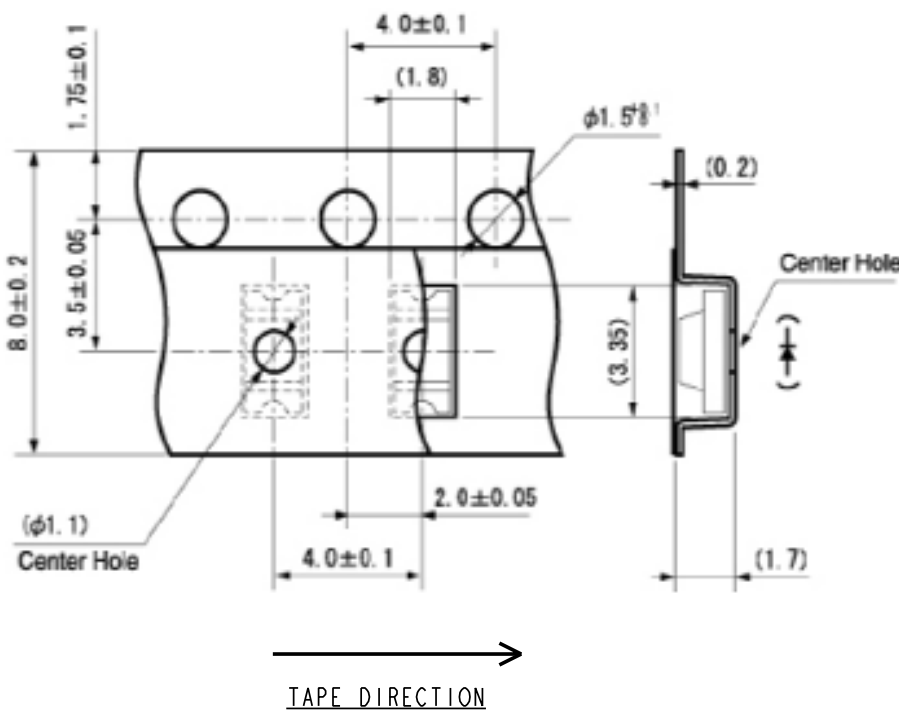
RoHS Compliant 597-3XX1-40XF Surface Mount CBI

Part Numbers with the "F" suffix ending are RoHS Compliant. Example: 597-3111-407F / 597-3311-407F / 597-3401-407F
Packaging is marked with "RoHS Compliant" label or equivalent markings.
Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT	RED	GREEN	YELLOW	UNITS
POWER DISSIPATION	60	75	75	mW
CONTINUOUS FORWARD CURRENT	30	30	30	mA
PEAK FORWARD CURRENT	70	70	70	mA
DERATE LINEAR FROM 25 °C	0.42	0.42	0.42	mA/°C
PEAK REVERSE VOLTAGE (I _R = 100 μA)	4	4	4	V
OPERATING TEMPERATURE	-30 TO +85	-30 TO +85	-30 TO +85	°C
STORAGE TEMPERATURE	-40 TO +100	-40 TO +100	-40 TO +100	°C

NOTE:

TAPE DETAIL DIMENSIONS METRIC AND VIEW NOT TO SCALE



RECOMMENDED SOLDER PAD LAYOUT

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SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17324	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE SMT LED RoHS COMPLIANT	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	MATERIAL	
FINISH:	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: