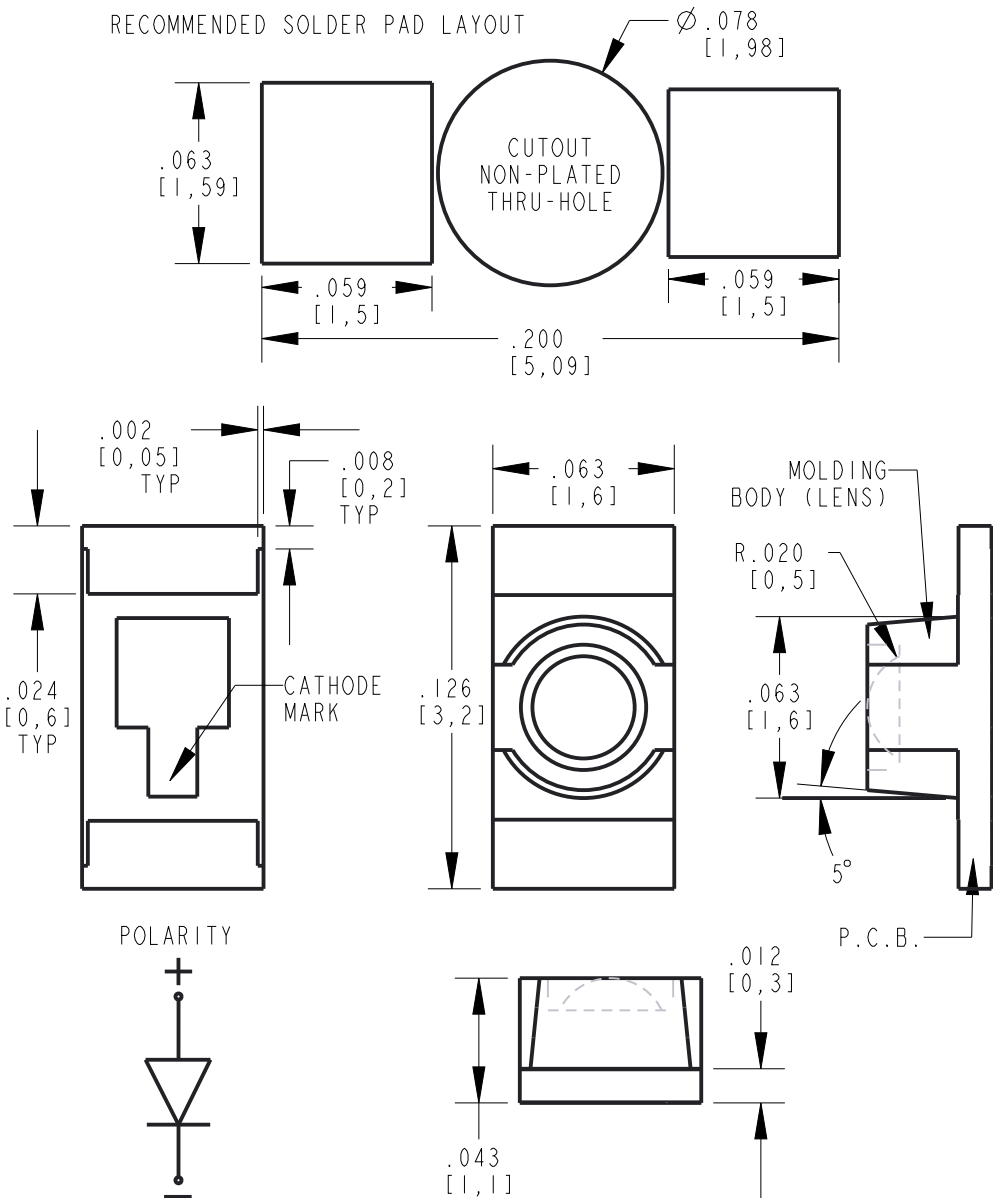


OPERATING CHARACTERISTICS AT 25°C AMBIENT													
DIALIGHT PART NUMBER	COLOR	LUMINOUS INTENSITY @I _F = 20 mA (mcd)			FORWARD VOLTAGE @I _F = 20 mA (V)			REVERSE CURRENT (μA)	DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)
		MIN	TYP	MAX	MIN	TYP	MAX	MAX	MIN	TYP	MAX	TYP	TYP
597-6001-602F, -607F	RED	71@10mA		180@10mA		2.0	2.4	10	624		638	639	70
597-6201-602F, -607F	ORANGE	71.0	180			2.0	2.4	10		605		611	
597-6301-602F, -607F	GREEN	280.0		1120.0	2.8		3.8	100		525		530	
597-6401-602F, -607F	YELLOW	28.0		450.0		2.0	2.4	10		587		588	
597-6501-602F, -607F	YELLOW-GREEN	28.0		180.0	1.8		2.4	10	567.5		576.5	574	
597-6601-602F, -607F	BLUE	112.0		280.0		3.0	3.8	100	465		475	468	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	COLOR						UNITS
	RED	ORANGE	YELLOW	YEL-GRN	GREEN	BLUE	
POWER DISSIPATION	50	75	76	75	76	76	mW
DC FORWARD CURRENT	20	30	30	30	20	20	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE)	40	80	80	80	100	100	mA
DERATE LINEARLY FROM 25°C	.25	.42	.42	.42	.25	.25	mA/°C
REVERSE VOLTAGE	5						V
OPERATING TEMPERATURE	-55 TO +85	-40 TO +85		-40 TO +85		-20 to +85	°C
STORAGE TEMPERATURE	-55 TO +85	-40 TO +85		-40 TO +100		-30 to +100	°C
SOLDERING TEMPERATURE, FOR 10 SEC	260						°C

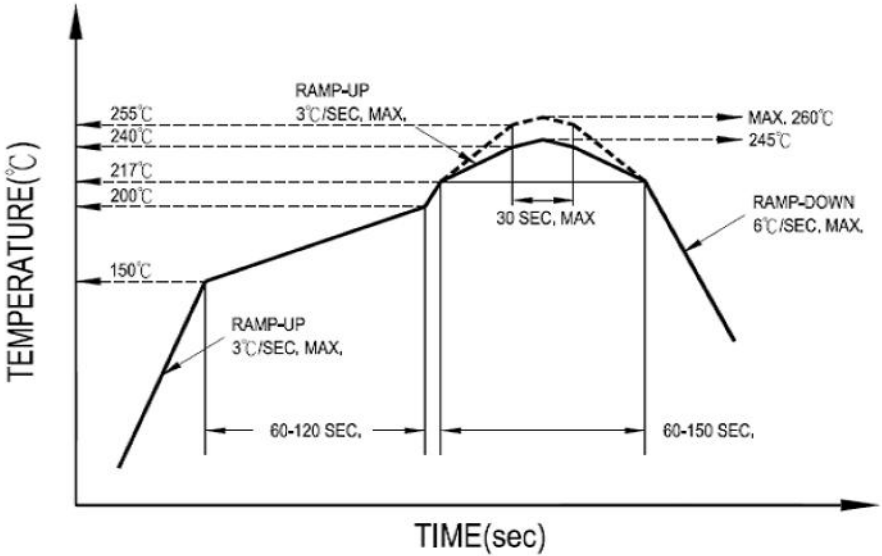
RECOMMENDED SOLDER PAD LAYOUT



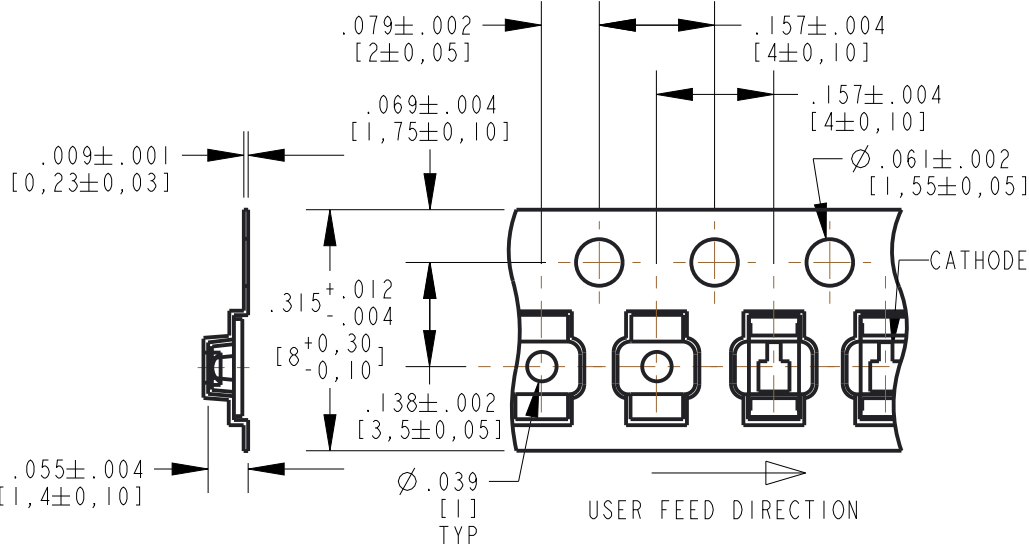
ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

- NOTES:
- LENS: WATER CLEAR
 - LED CHIP: AlInGaP (RED, ORANGE, YELLOW, YELLOW-GREEN)
InGaP (GREEN, BLUE)
 - LEADS ARE GOLD (Au) PLATED FINISH.
 - PACKAGING: -602F SUFFIX MEANS 20 PCS SAMPLE STRIP
-607F SUFFIX MEANS 3000 PARTS/REEL, 7 INCH (180mm) DIA. REEL.
 - DIALIGHT PART NUMBERS: 597-6001-602F, -607F; 597-6201-602F, -607F; 597-6301-602F, -607F; 597-6401-602F, -607F; 597-6501-602F, -607F; 597-6601-602F, -607F.
 - THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
 - MOISTURE SENSITIVITY LEVEL 3.
 - TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	KLJ	N.O.	MES	2/28/08
B	—	UPDATED LED SPECS FOR 597-6301-602F, -607F & 597-6601-602F, -607F; ADDED BIN V	WFB	JTD	N.O.	10/3/14
C	—	UPDATED RECOMMENDED RoHS SOLDER PROFILE	BP	—	NO	3-29-17
D	102103	UPDATED LED SPECS & REMOVED BIN TABLE	LD		NO	2-21-23



RECOMMENDED RoHS SOLDER PROFILE



PACKAGE DIMENSIONS OF TAPE AND REEL

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP.		
SCALE: 15.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-17596	D
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	3.2mm x 1.6mm x 1.1mm REVERSE MOUNT 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 (732) 919-3119 www.dialight.com	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: