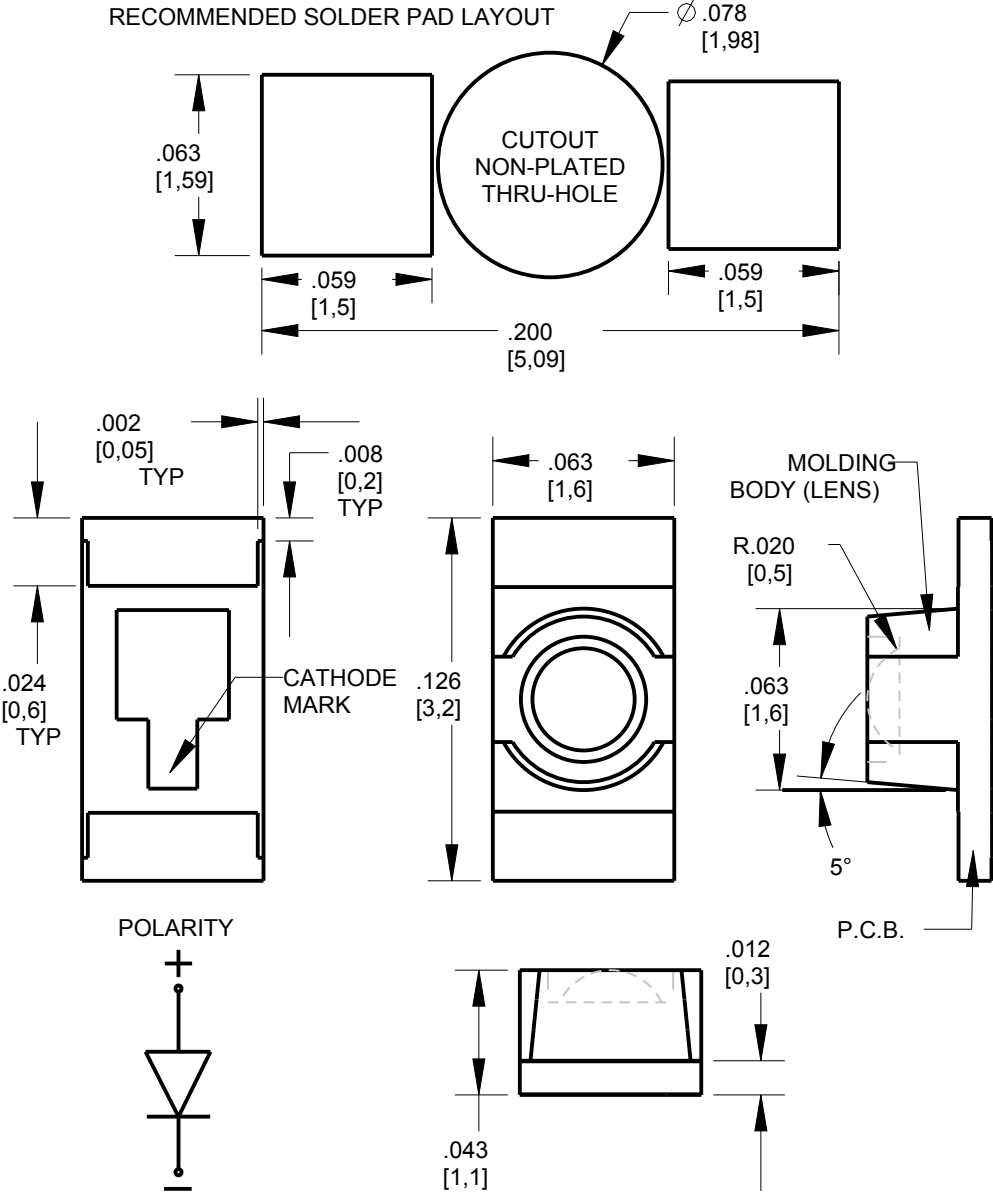


OPERATING CHARACTERISTICS AT 25° C AMBIENT													
DIALIGHT PART NUMBER	COLOR	LUMINOUS INTENSITY @I _F = 20 mA (mcd)			FORWARD VOLTAGE @I _F = 20 mA (V)			REVERSE CURRENT (μ A)	DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)
		MIN	TYP	MAX	MIN	TYP	MAX	MAX	MIN	TYP	MAX	TYP	TYP
597-6001-602F,-607F	RED	18.0		280.0		2.0	2.4	10		631		639	70
597-6201-602F,-607F	ORANGE	71.0		450.0		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	

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

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT	COLOR						UNITS
	RED	ORANGE	YELLOW	YELLOW-GREEN	GREEN	BLUE	
POWER DISSIPATION	75				76		mW
DC FORWARD CURRENT	30				20		mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE)	80				100		mA
DERATE LINEARLY FROM 25° C	0.4				0.25		mA/° C
REVERSE VOLTAGE	5						V
STORAGE TEMPERATURE	-55 TO +85						°C
OPERATING TEMPERATURE	-55 TO +85						°C
SOLDERING TEMPERATURE, FOR 5 SEC	260						°C

RECOMMENDED SOLDER PAD LAYOUT



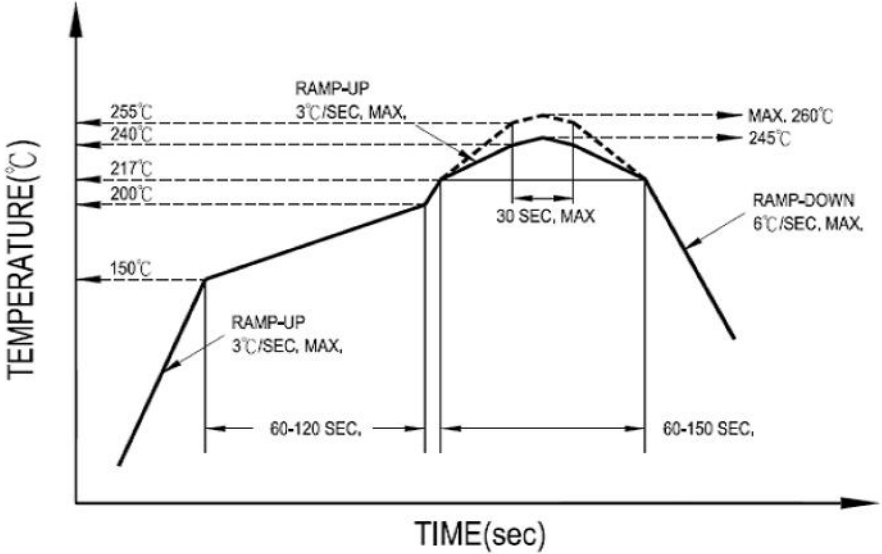
LUMINOUS INTENSITY (mcd) @20mA		
BIN CODE	MIN	MAX
M	18.0	28.0
N	28.0	45.0
P	45.0	71.0
Q	71.0	112.0
R	112.0	180.0
S	180.0	280.0
T	280.0	450.0
U	450.0	710.0
V	710.0	1120.0
TOLERANCE ON EACH IV BIN IS: 15%		



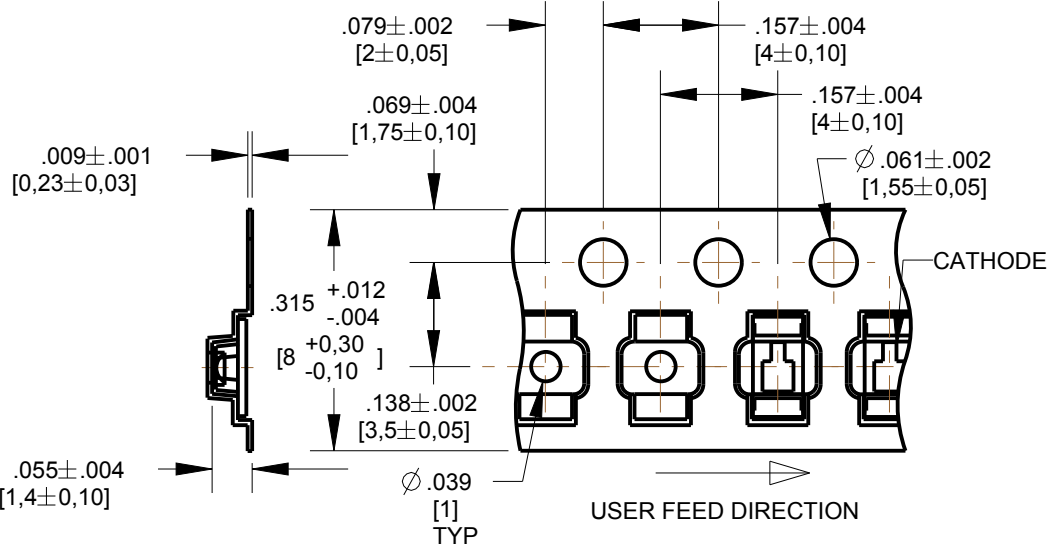
ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

NOTES:

1. LENS: WATER CLEAR
2. LED CHIP: AlInGaP (RED, ORANGE, YELLOW, YELLOW-GREEN)
InGaN (GREEN, BLUE)
3. LEADS ARE GOLD (Au) PLATED FINISH.
4. PACKAGING: -602F SUFFIX MEANS 20 PCS SAMPLE STRIP
-607F SUFFIX MEANS 3000 PARTS/REEL, 7 INCH (180mm) DIA. REEL.
5. 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.
6. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS).
MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND
STORAGE IN ACCORDANCE WITH IPC-A-610.
7. MOISTURE SENSITIVITY LEVEL 3.
8. TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.



RECOMMENDED RoHS SOLDER PROFILE



PACKAGE DIMENSIONS OF TAPE AND REEL

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SCALE: 15.000 ALL DIM's: INCH (mm)	DRAWING NUMBER C-17596	REV C
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1° FINISH -	TITLE 3.2mm x 1.6mm x 1.1mm REVERSE MOUNT LED; RoHS COMPLIANT	MATERIAL -
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
SHEET 1 OF 1		FAMILY TABLE: