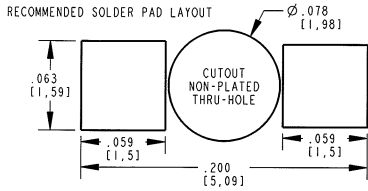


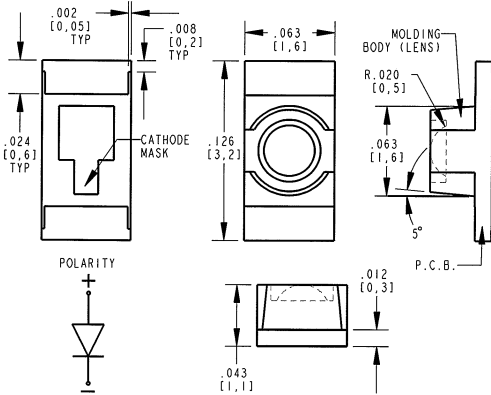
OPERATING CHARACTERISTICS AT 25°C AMBIENT													
DIALIGHT PART NUMBER	COLOR	LUMINOUS INTENSITY $\theta_{1/2} = 20 \text{ mA}$ (mcd)			FORWARD VOLTAGE $\theta_{1/2} = 20 \text{ mA}$ (V)			REVERSE CURRENT ( $\mu\text{A}$ )	DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)
		MIN	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	112.0		710.0	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	45.0		180.0	3.0	3.8	100	465	475		468		

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

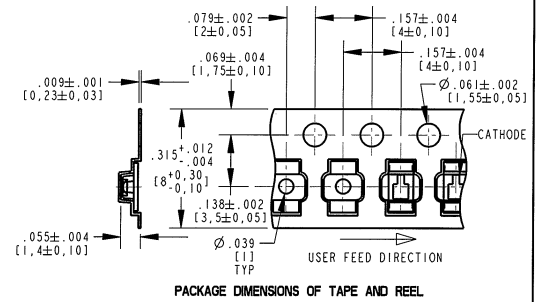
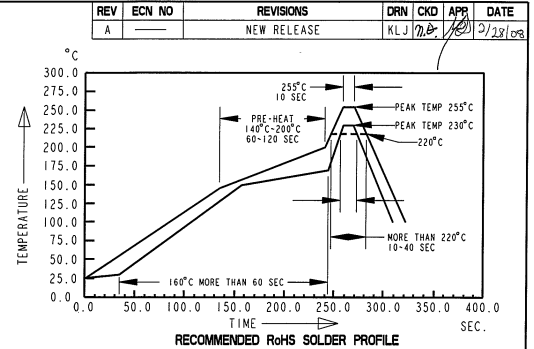


BIN CODE	LUMINOUS INTENSITY (mcd) @ $I_f=20\text{mA}$	
	MIN	MAX
M	18.0	28.0
N	28.0	45.0
P	45.0	71.0
Q	71.0	112.0
R	112.0	180.0
S	180.0	280.0
T	280.0	450.0
U	450.0	710.0

TOLERANCE ON EACH IV BIN IS ±15%



- NOTES:
- LENS: WATER CLEAR
  - LED CHIP: AlInGaP (RED, ORANGE, YELLOW, YELLOW-GREEN) InGaN (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.



**ATTENTION:**  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES

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: 15.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17596	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 3.2mm x 1.6mm x 1.1mm REVERSE MOUNT LED: RoHS COMPLIANT	MATERIAL
FRACTIONS: ±1/64		
DECIMALS (.XX): ±.01		
DECIMALS (.XXX): ±.005		
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH:	<b>Dialight</b>	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: