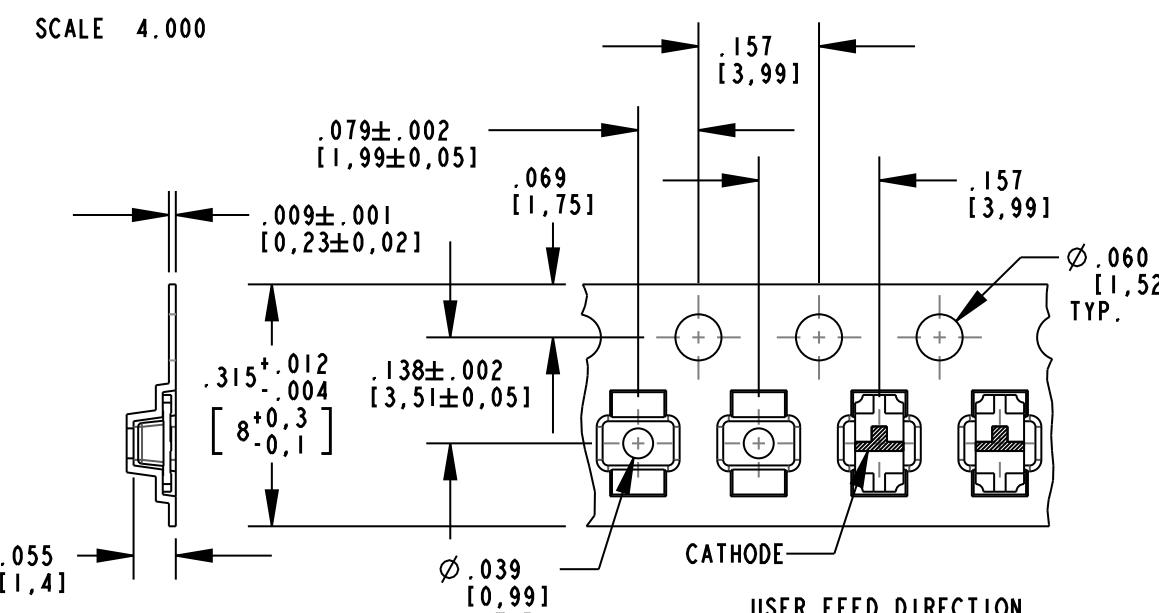
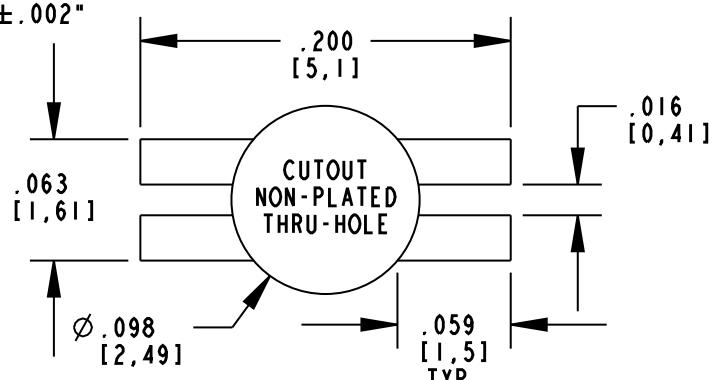


SCALE 4.000

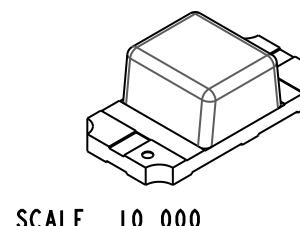
**TAPING SPECIFICATIONS**

SCALE 10.000

TOLERANCES: ±.002"

**RECOMMENDED SOLDER PAD LAYOUT****RoHS COMPLIANT 597-7783-60XF**

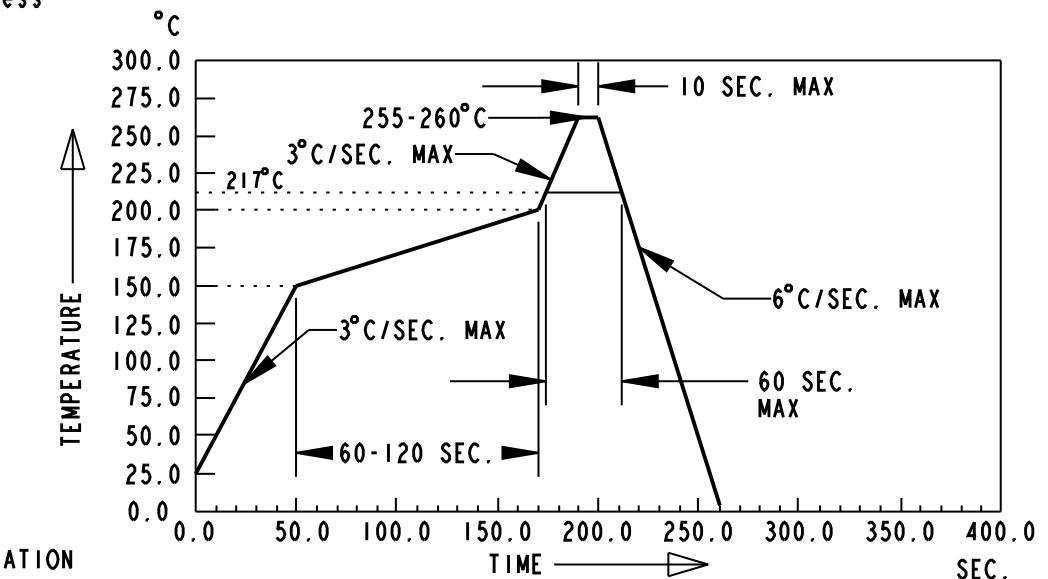
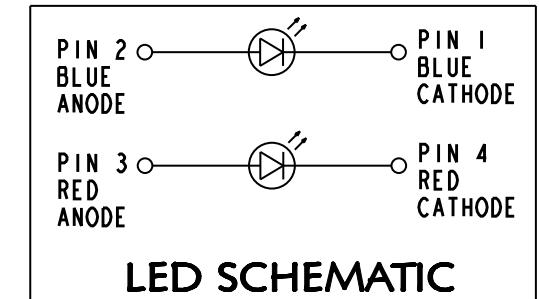
Part Numbers with the "F" suffix ending are RoHS Compliant. For example: 597-7783-602F. Reel and bag packaging are marked with "RoHS Compliant" label or equivalent markings. These parts can be used with RoHS reflow profile. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.



SCALE 10.000

**NOTES:**

1. DIALIGHT PART NUMBERS: 597-7783-602F & 597-7783-607F.
2. . . . 602F SUFFIX MEANS 20 PCS ON A SAMPLE STRIP.
3. 607F SUFFIX MEANS PARTS PACKAGED ON 7" DIA. REEL, 3,000 PCS/REEL, ACCORDING TO EIA STD 481-1-A SPECIFICATION (CATHODE TOWARDS SPROCKET).
4. LED COLORS: InGaN BLUE, AlInGaN RED
5. LED HAS A MOISTURE SENSITIVITY LEVEL OF 3.
6. TAPE AND REEL PRODUCTS MAY REQUIRE RE-TAPING AFTER 12 MONTHS.
7. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

**RECOMMENDED RoHS SOLDER PROFILE****LED SCHEMATIC****OPERATING CHARACTERISTICS AT 25°C AMBIENT**

LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	BLUE	28	45	180	mcd	I <sub>F</sub> = 20 mA
	RED	28	45	112		
PEAK WAVELENGTH	BLUE		468		nm	
	RED		639			
DOMINANT WAVELENGTH	BLUE		470		nm	
	RED		631			
FORWARD VOLTAGE	BLUE		3.3	3.8	V	I <sub>F</sub> = 20 mA
	RED		2.0	2.4		
REVERSE CURRENT	ALL			10	μA	V <sub>R</sub> = 5 V
VIEWING ANGLE	ALL		130		DEGREE	

**ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT**

	BLUE	RED	UNITS
POWER DISSIPATION	76	75	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	100	80	mA
CONTINUOUS FORWARD CURRENT	20	30	mA
LINEAR DERATING FROM 25°C	0.27	0.4	mA/°C
REVERSE VOLTAGE (CAN NOT BE CONTINUOUSLY OPERATED)	5		V
REFLOW SOLDERING TEMPERATURE FOR 10 SEC.	260		°C
OPERATING TEMPERATURE	-20 TO +80		°C
STORAGE TEMPERATURE	-30 TO +100		°C

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SCALE: 18.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17898	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: ±1/64		
DECIMALS (.XX): ±.01		
DECIMALS (.XXX): ±.004		
ANGLES: ±1°		
FINISH:		
Dialight	1501 ROUTE 34 SOUTH	
	FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE:



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