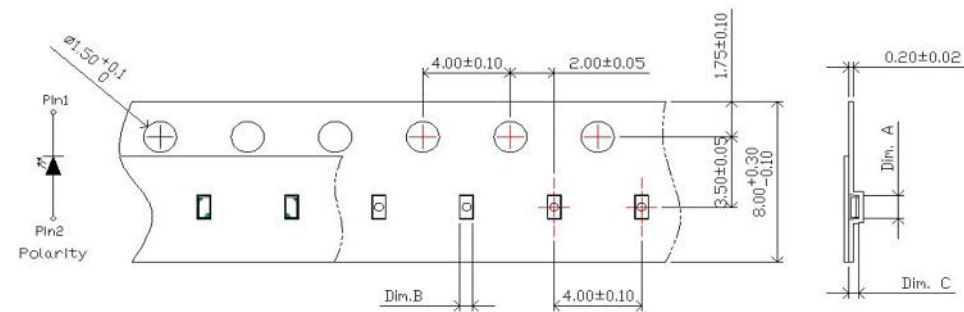


DIALIGHT PART NO.	COLOR
599-1A10-147F	RED
599-1A30-147F	ORANGE
599-1A40-147F	YELLOW
599-1A60-147F	YEL. GREEN
599-1A80-147F	GREEN
599-1A90-147F	BLUE

REV	ECN NO	REVISIONS	DRN	CKD	APP	QA	CM	DATE
A	124481	NEW RELEASE	LD	CS				12-19-24

**Packaging
Tape Dimension**



UNITS:MM

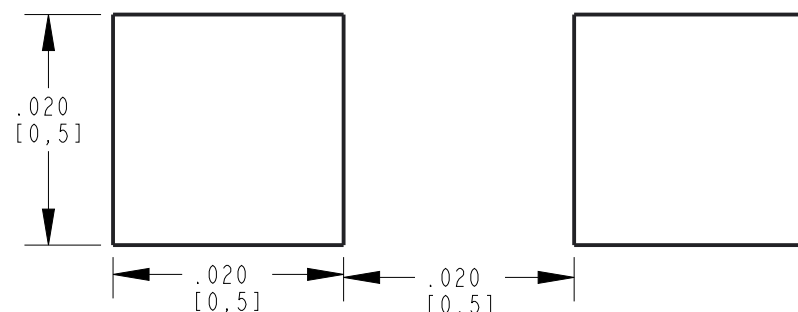
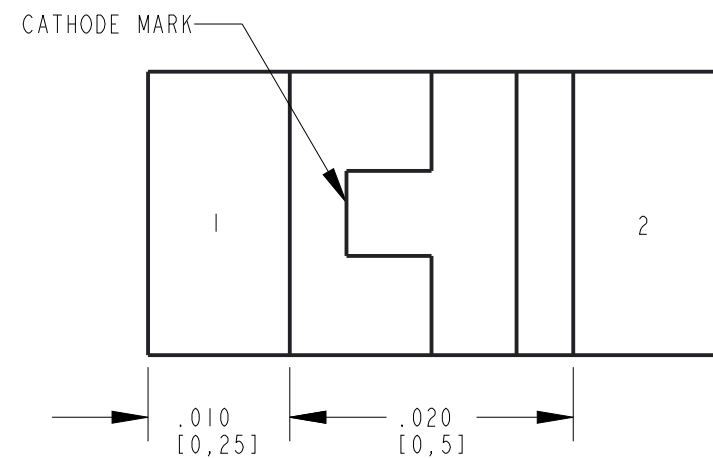
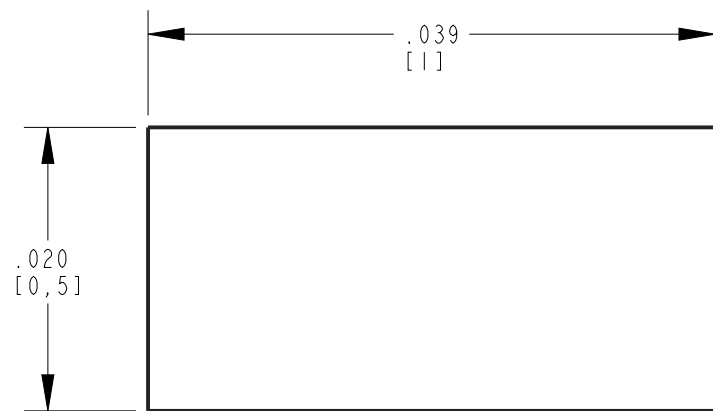
Dim. A	Dim. B	Dim. C	Q'ty/Reel
1.15±0.03	0.58±0.03	0.45±0.03	4K

ABSOLUTE MAXIMUM RATINGS AT 25°C					
LED COLOR	POWER DISSIPATION (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT *(mA)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)
RED	48	20	100	-40 TO +85	-40 TO +100
ORANGE	48	20	100	-40 TO +85	-40 TO +100
YELLOW	48	20	100	-40 TO +85	-40 TO +100
YELLOW-GREEN	48	20	100	-40 TO +85	-40 TO +100
GREEN	78	20	80	-40 TO +85	-40 TO +100
BLUE	63	20	80	-40 TO +85	-40 TO +100

ELECTRICAL OPTICAL CHARACTERISTICS AT 25°C											
LED COLOR	TEST CONDITION	LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			FORWARD VOLTAGE (V)			VIEWING ANGLE (DEG)
	I _F (mA)	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	TYP.
RED	20	28.5		112.5	630		650	1.6	2.0	2.4	X=118 Y=160
ORANGE	20	11.25		71.5	600		612	1.6	2.0	2.4	X=118 Y=160
YELLOW	20	90		180	585		590	1.6	2.0	2.4	X=118 Y=160
YELLOW GREEN	5	7.15		28.5	566		572	1.6	2.0	2.4	X=118 Y=160
GREEN	5	180		360	520		535	2.55	2.8	3.25	X=100 Y=150
BLUE	5	18		112.5	460		480	2.55	2.8	3.15	X=118 Y=160

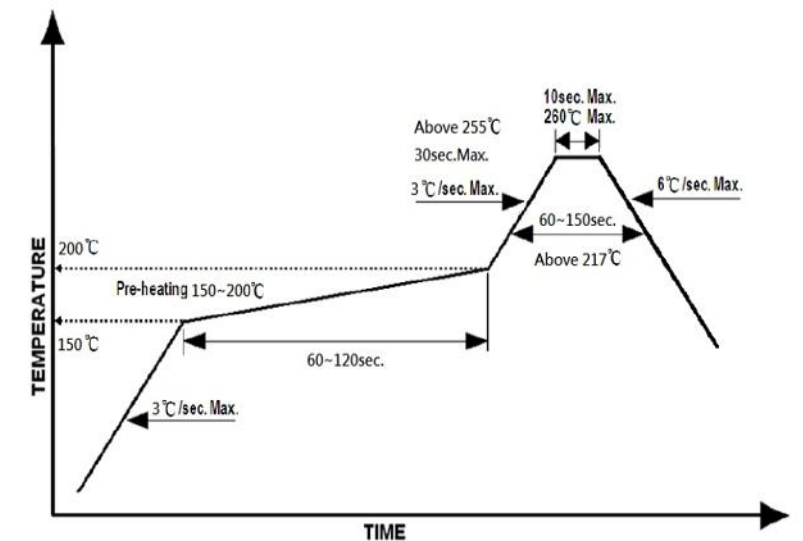
NOTES:

- PARTS ARE TO BE SUPPLIED IN 8mm CARRIER TAPE ON 7" REEL 4000 PCS PER REEL.
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.
- MOISTURE SENSITIVITY LEVEL IS 2A.



RECOMMENDED PAD LAYOUT

REFLOW SOLDER PROFILE



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

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DIALIGHT CORP. INTERNAL REFERENCE ONLY = 3D MODEL : 5991A10147F-A-3

SCALE: 75.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-18789	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64	0402 SURFACE MOUNT LED	
DECIMALS (.XX): ±.01	MATERIAL	
DECIMALS (.XXX): ±.005		
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH		
FSCM 83330	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com
	SHEET 1 OF 1	FAMILY TABLE:

Mouser Electronics

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