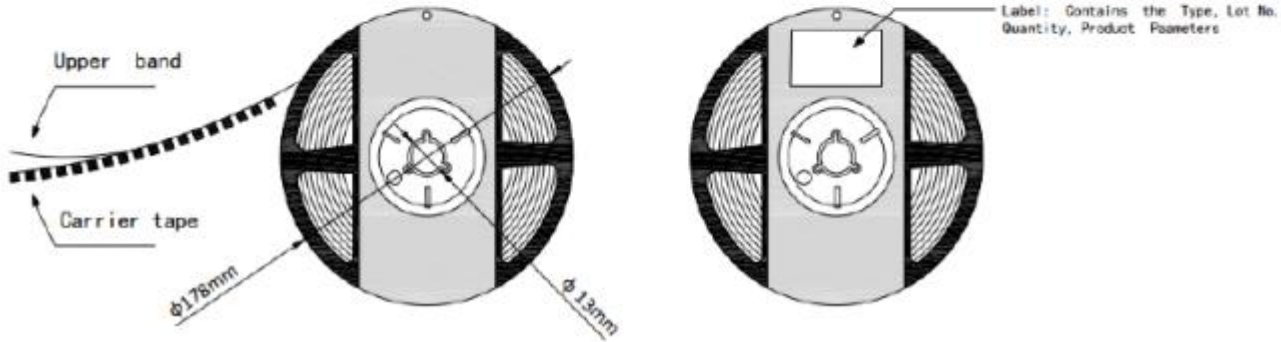
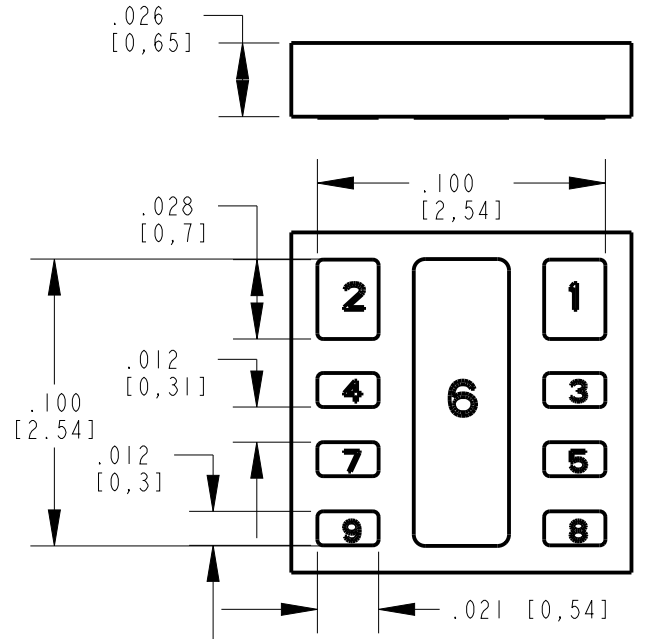
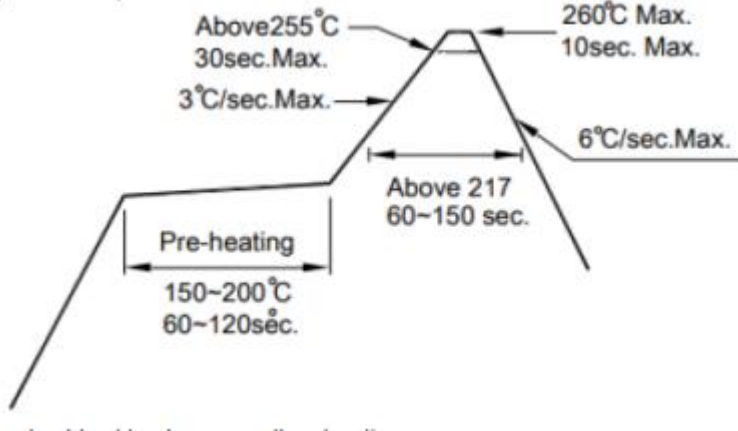
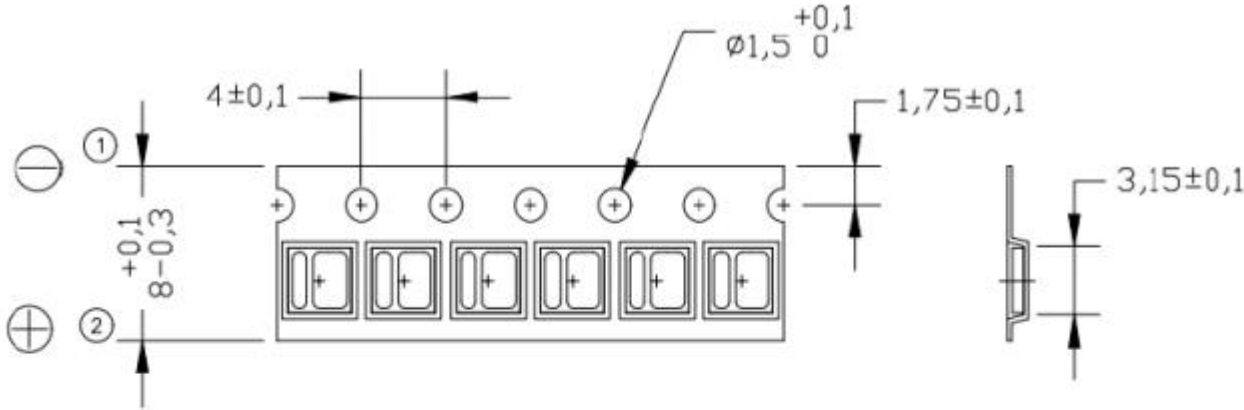
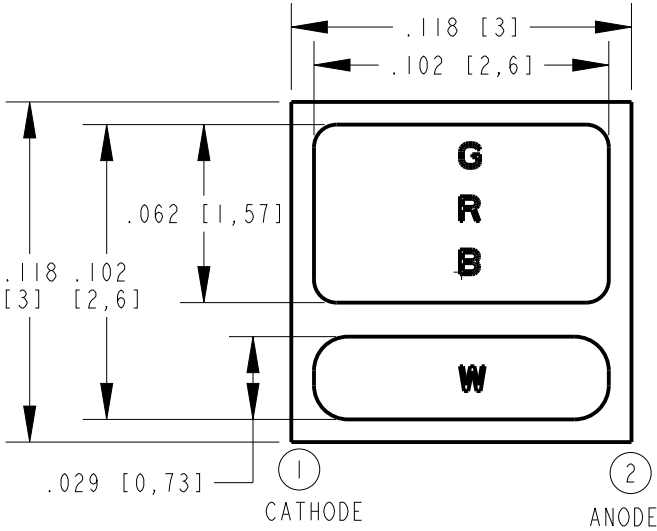


PART NUMBER	COLOR	LENS COLOR
599-2310-427F 599-2310-422F	RED GREEN BLUE	WHITE DIFFUSED
	WHITE	YELLOW DIFFUSED

- NOTES:
1. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 2. LABELING FOR REEL AND OUTSIDE OF ALUMINUM BAG, DIALIGHT P/N, QUANTITY PER REEL, DATE CODE, INTENSITY BIN CODE, LOT NUMBER AND COUNTRY OF ORIGIN.
 3. THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.
 4. MOISTURE SENSITIVITY LEVEL 3.
 5. QUANTITY : PART NUMBERS END WITH 427F REFER AS 5000 PCS/ REEL
PART NUMBERS END WITH 422F REFER AS 20 PCS/ STRIP

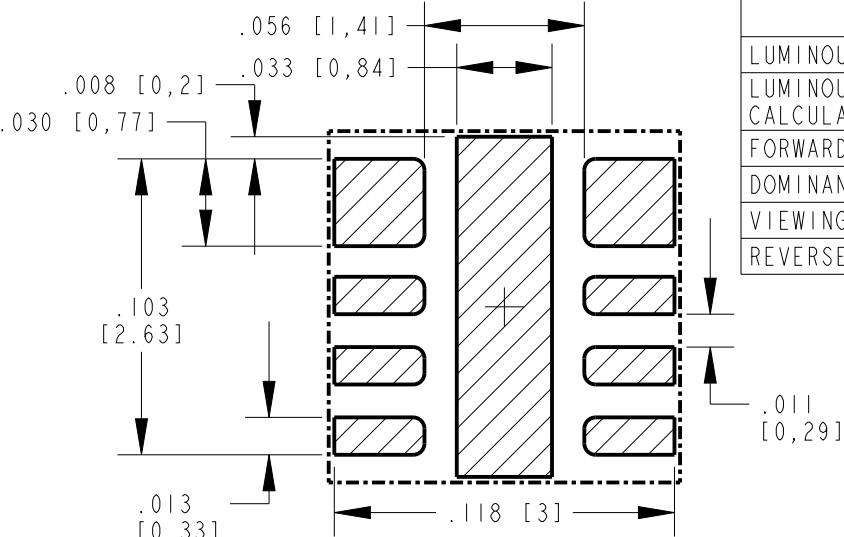
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	101468	NEW RELEASE	JSG	CS	NO	18JAN23
B	111604	DIM 2.63mm WAS 2.59mm	JSG	CS	CS	03NOV23



UNITS: mm
TOLERANCE (UNLESS OTHERWISE SPECIFIED): ±0.004(±0.1mm)

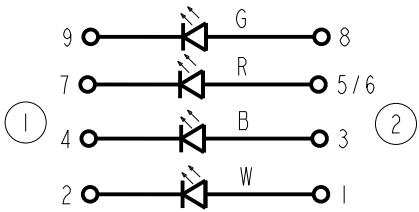
TAPING SPECIFICATIONS

ABSOLUTE MAXIMUM RATING AT 25°C					
PARAMETER	MAXIMUM RATING				UNIT
	R	G	B	W	
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 1K Hz)	70				mA
POWER DISSIPATION	140	185	185	180	mW
FORWARD CURRENT	60				mA
JUNCTION TEMPERATURE	110				°C
REVERSE VOLTAGE	5				V
OPERATING TEMP. RANGE	-40°C to +105°C				°C
STORAGE TEMP. RANGE	-40°C to +105°C				°C
REFLOW SOLDERING TEMPERATURE	230°C OR 260°C FOR 10 SEC				



RECOMMENDED PAD LAYOUT

OPTICAL CHARACTERISTIC AT 25°C													
PARAMETER	TEST CONDITION TYP.	R			G			B			W		
		MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.
LUMINOUS INTENSITY (lm)	20mA	2.0	3.0	5.0	4.0	6.2	9.0	0.1	0.8	3.0	1.0	7.5	20.0
LUMINOUS INTENSITY CALCULATED (MCD)		636	955	1592	1273	1973	2865	32	254	955	318	2387	6366
FORWARD VOLTAGE (V)		1.8		2.3	2.6		3.1	2.6		3.1	2.5		3.0
DOMINANT WAVELENGTH (nm/K)		615		625	520		530	450		460	2700		6500
VIEWING ANGLE (DEGREE)		120			120			120			120		
REVERSE CURRENT (μA)		10μA @VR=5V											



LED SCHEMATIC



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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.			
DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 4500521860429-PADLAYOUT-A.3			
SCALE: 15.000		DRAWING NUMBER	
ALL DIM's: INCH (mm)		REV	
TOLERANCES: UNLESS OTHERWISE SPECIFIED		B	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°		C-18645	
FINISH		TITLE	
-		SM3030 RGBW W8PDS	
		MATERIAL	
		SEE NOTES	
		Dialight	
		1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
FSCM 83330		SHEET 1 OF 1 FAMILY TABLE:	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Dialight:](#)

[599-2310-427F](#)