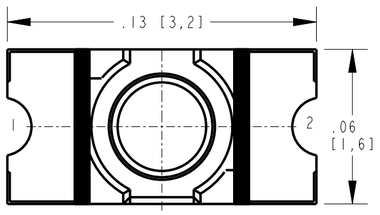
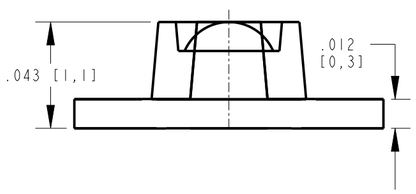
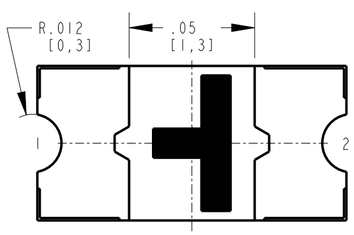
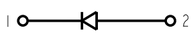
PART NUMBER	LED COLOR TYP (nm)	LENS COLOR
599-0510-127F	RED(625)	WATER CLEAR
599-0510-122F		
599-0540-127F	YELLOW(589)	
599-0540-122F		
599-0560-127F	YELLOW GREEN(571)	
599-0560-122F		
599-0580-127F	TRUE GREEN(519)	
599-0580-122F		
599-0590-127F	BLUE(465)	
599-0590-122F		
599-0530-127F	ORANGE(605)	
599-0530-122F		
599-2500-127F	WHITE (X-0.27,Y-0.24)	YELLOW TRANSPARENT
599-2500-122F		

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	102542	NEW RELEASE	JSG	NO	CS	21FEB23

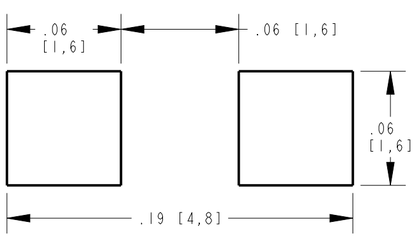






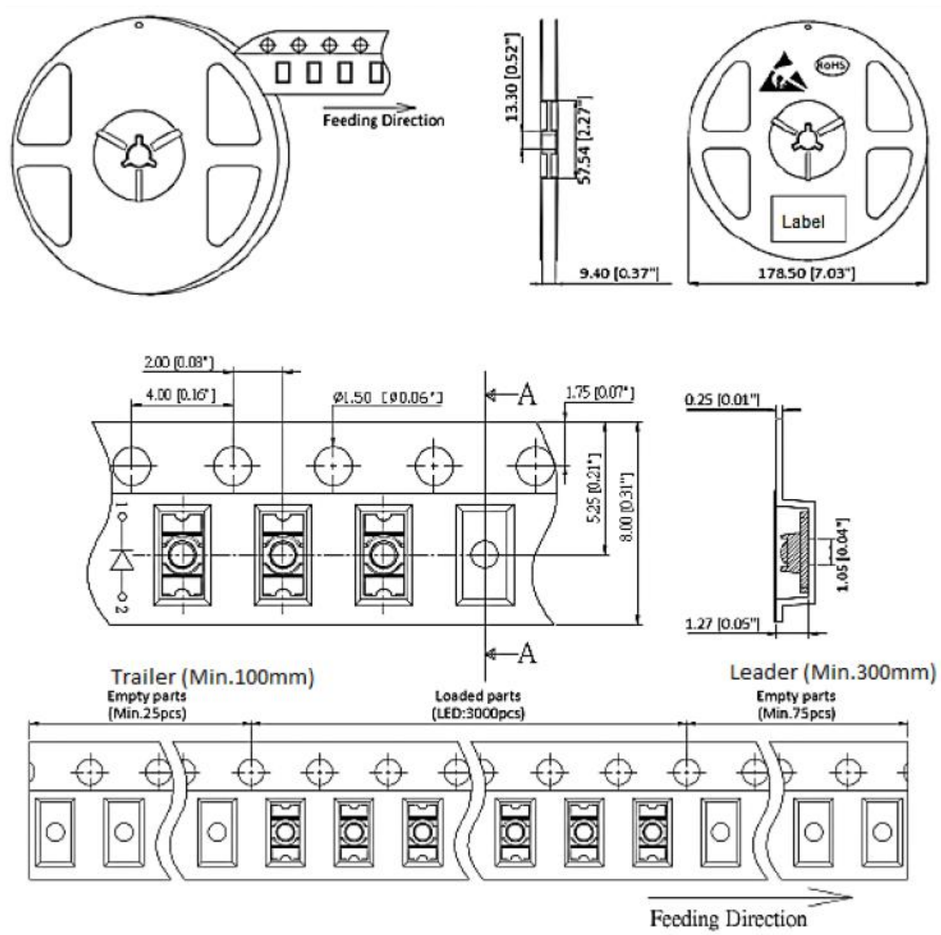


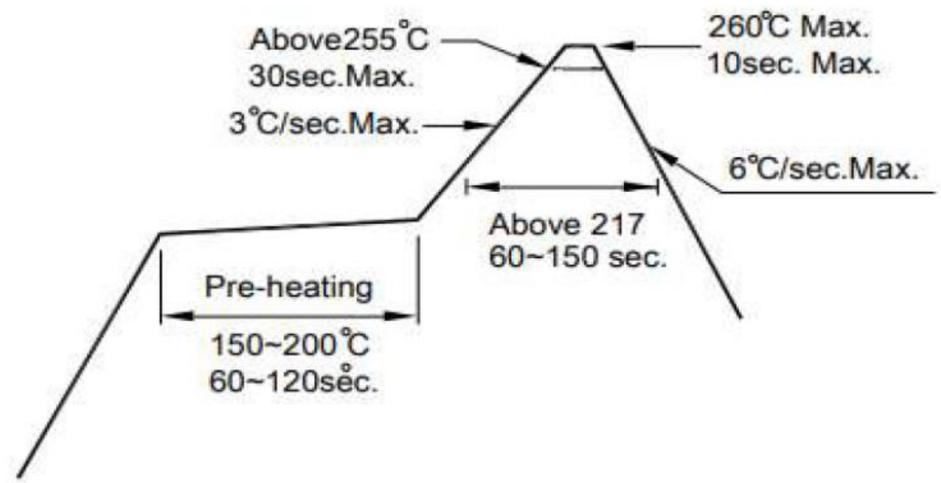
LED SCHEMATIC



RECOMMENDED PAD LAYOUT

PACKAGE DIMENSIONS OF TAPE AND REEL





OPERATING CHARACTERISTICS AT 25° C AMBIENT									
LED COLOR	TEST CONDITION (mA)	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V)		DOMINANT WAVELENGTH (nm)		REVERSE CURRENT (uA)	VIEWING ANGLE (DEGREES)
	TYP	MIN	MAX	MIN	MAX	MIN	MAX	MAX	TYP
RED	20	190	542	1.8	2.4	620	630	10μA @VR=5V	70
YELLOW		190	705	1.8	2.4	584	594		70
YELLOW-GREEN		86	321	1.8	2.4	566	576		70
TRUE GREEN		917	2620	2.8	3.6	514	524		70
BLUE		190	417	2.8	3.6	460	470		70
ORANGE		247	705	1.8	2.4	600	610		70
WHITE		417	1192	2.8	3.6	*X=0.2726 Y=0.2423			140

*CHROMATICITY COORDINATES (TYP.)

ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	REVERSE VOLTAGE (V)	OPERATING TEMPRATURE (°C)	STORAGE TEMPRATURE (°C)	DERATING CURVE FROM 25°C (mA/°C)
RED	72	30	125 (1/8 DUTY CYCLE, 1ms PULSE WIDTH)	5	-40°C TO +85°C	-40°C TO +85°C	0.333
YELLOW	72	30		5			0.333
YELLOW GREEN	72	30		5			0.333
TRUE GREEN	108	30		5			0.333
BLUE	108	30		5			0.333
ORANGE	72	30		5			0.333
WHITE	102	30		5			0.333

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 127F REFER AS 3000 PCS/ REEL
PART NUMBERS END WITH 122F REFER AS 20 PCS/ STRIP

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 : 450052186XX29-A.2

SCALE: 23.000

ALL DIM'S IN: INCHES (MM)

TOLERANCES:
UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.01
DECIMALS (.XXX): ±.005
DECIMALS (.XXXX): ±.0005
ANGLES: ±1°

FINISH: -

FSCM 83330

DRAWING NUMBER: C-18653

REV: A

TITLE: SM LED 3216 WITH LENS

MATERIAL: -

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727
(732) 919-3119
www.dialight.com

SHEET 1 OF 1

FAMILY TABLE:

Mouser Electronics

Authorized Distributor

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

Dialight:

599-0510-127F 599-0530-127F 599-0540-127F 599-0560-127F 599-0580-127F 599-0590-127F 599-2500-127F
599-0540-122F 599-0590-122F 599-0530-122F 599-0510-122F 599-0560-122F 599-0580-122F 599-02500-122F