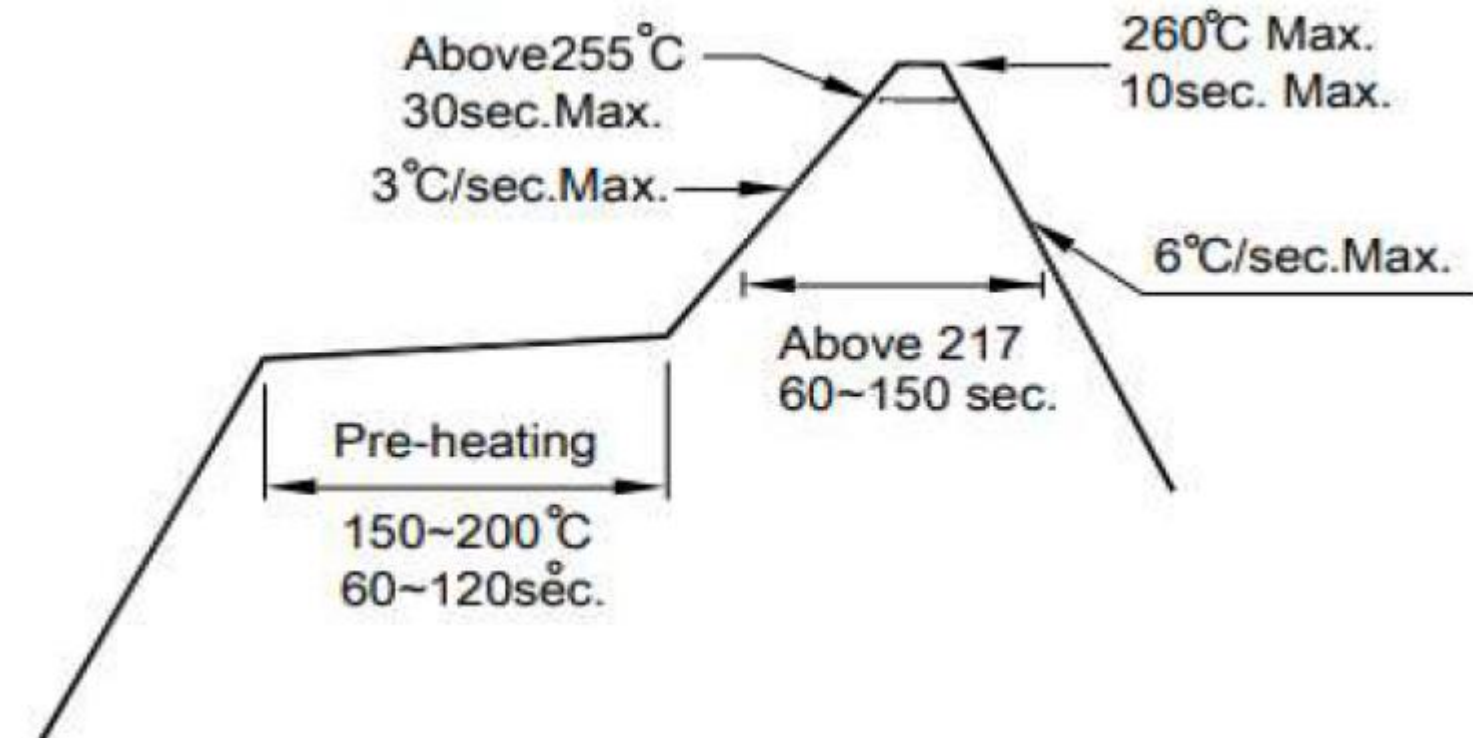
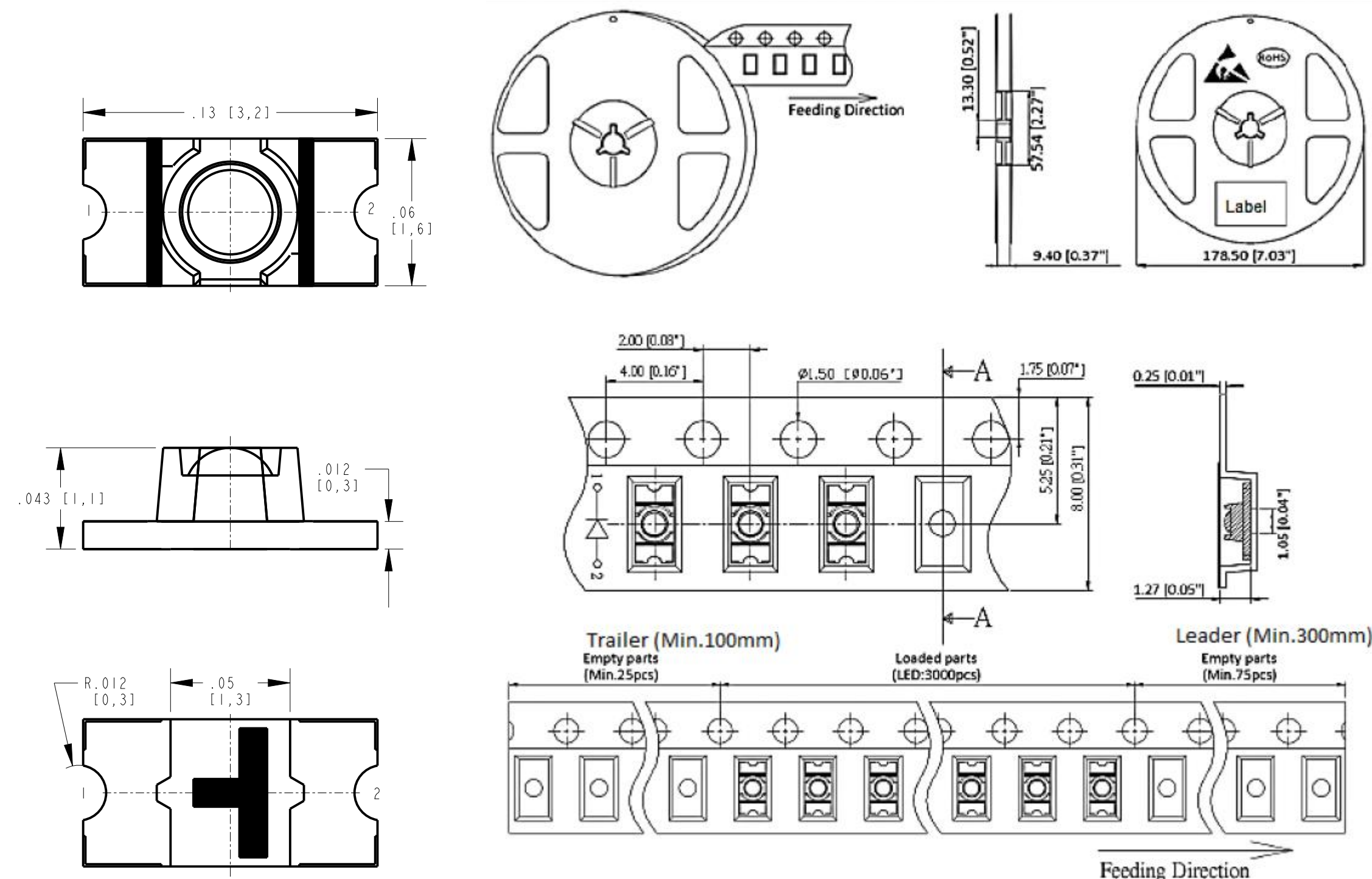


PART NUMBER	LED COLOR TYP (nm)	LENS COLOR
599-0510-127F	RED(625)	WATER CLEAR
599-0510-122F		
599-0540-127F	YELLOW(589)	
599-0540-122F		
599-0560-127F	YELLOW GREEN(571)	
599-0560-122F		
599-0580-127F	TRUE GREEN(519)	
599-0580-122F		
599-0590-127F	BLUE(465)	
599-0590-122F		
599-0530-127F	ORANGE(605)	YELLOW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

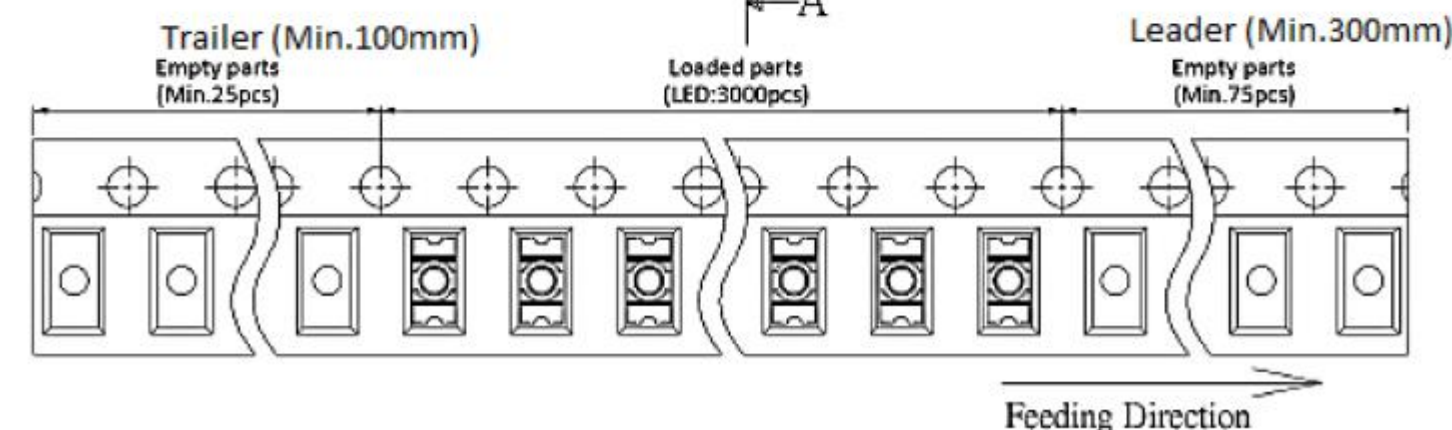
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	102542	NEW RELEASE	JSG	NO	CS	21FEB23

PACKAGE DIMENSIONS OF TAPE AND REEL



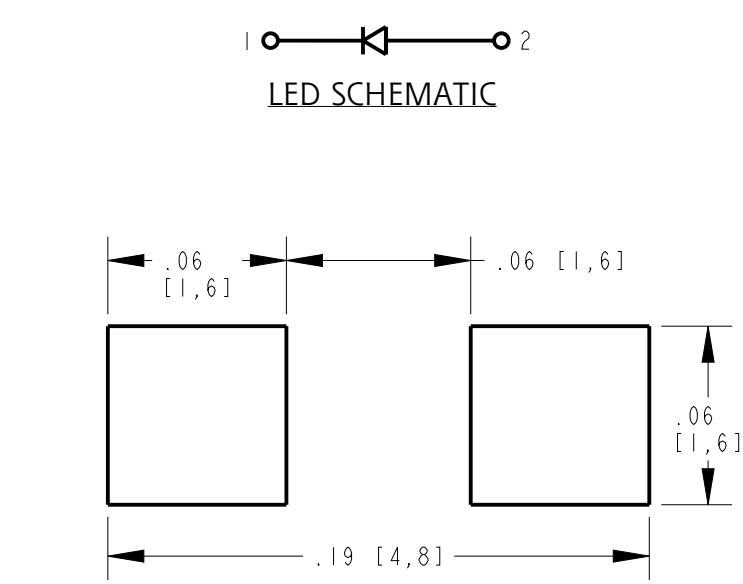
OPERATING CHARACTERISTICS AT 25°C AMBIENT									
LED COLOR	TEST CONDITION (mA)	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V)		DOMINANT WAVELENGTH (nm)		REVERSE CURRENT (uA)	VIEWING ANGLE (DEGREES)
		MIN	MAX	MIN	MAX	MIN	MAX		
RED	20	190	542	1.8	2.4	620	630	10µA @VR=5V	70
YELLOW		190	705	1.8	2.4	584	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 DISSIPATION (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	REVERSE VOLTAGE (V)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°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:
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 - 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.
 - 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 3.
 - QUANTITY : PART NUMBERS END WITH 127F REFER AS 3000 PCS/ REEL PART NUMBERS END WITH 122F REFER AS 20 PCS/ STRIP



RECOMMENDED PAD LAYOUT

ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

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DIALIGHT CORP INTERNAL REFERENCE ONLY - 3D MODEL: 450052186XX29-A-2

SCALE: 23.000 DRAWING NUMBER: C-18653 REV: A

TOLERANCES: UNLESS OTHERWISE SPECIFIED

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

FINISH: -

FSCM 83330 SHEET 1 OF 1 FAMILY TABLE:

TITLE: SM LED 3216 WITH LENS MATERIAL: -

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