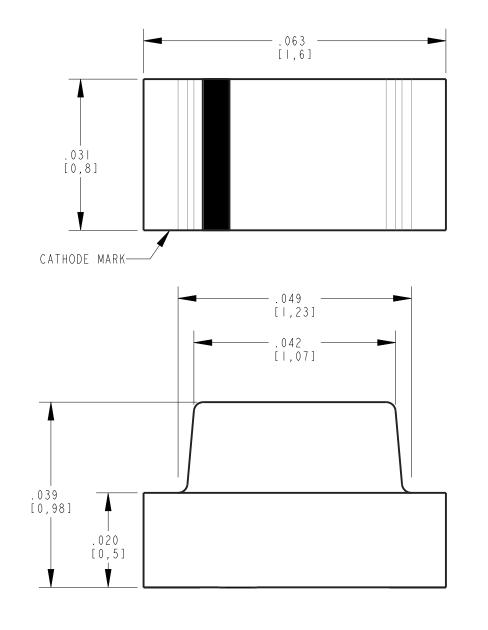
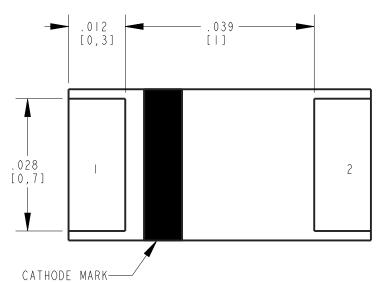
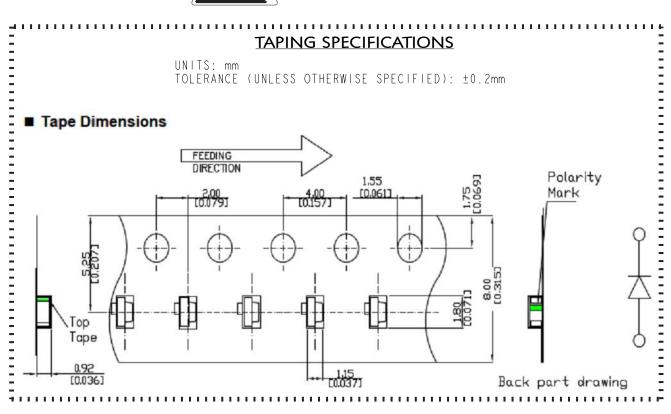
LED COLOR (nm)
RED (630)
RED ORANGE (625)
ORANGE (605)
YELLOW (590)
YELLOW GREEN (570)
GREEN (525)
BLUE (470)





ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

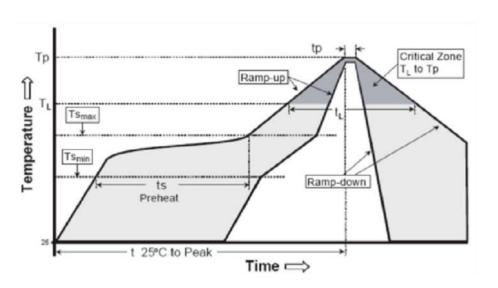


				ELECTR	ICAL O	PTICAL	CHARA	CTERISTIC	S AT 25°C					
LED COLOR	TEST CONDITION		UMINOU NTENSI (mcd)		DOMINANT WAVELENGTH (nm)		REVERSE CURRENT (uA)	SPECTRAL LINE HALF-WIDTH (nm)	FORWARD VOLTAGE IF=5mA		VIEWING ANGLE I _F =20mA	THERMAL RESISTANCE IF = 20mA (°C/W)		
	I _F (mA)	MIN.	TYP.	MAX.	MIN	TYP.	MAX	MAX	TYP	TYP.	MAX.	TYP	MAX	
RED		30		90	630	635	640		1.8 1.8 1.8	1.8	2.4			
RED ORANGE		150	240	330	620	625	630			1.8 2.4				
ORANGE		90	145	200	600	605	610			1.8	2.4			
YELLOW	20	120	160	200	585	590	595	10	15	1.8	2.4	140	450	
YELLOW GREEN		28	54	80	565	570	575				1.8	2.4		
GREEN		70	135	200	510	525	535				2.8	3.5		
BLUE		350	440	530	460	468	475				2.8	3.5		

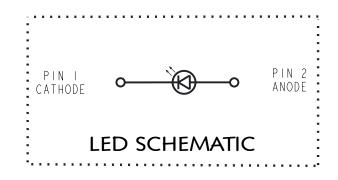
ABSOLUTE MAXIMUM RATINGS AT 25°C									
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	ELECTROSTATIC DISCHARGE (V)	OPERATING TEMPRATURE (°C)	STORAGE TEMPRATURE (°C)	SOLDERING CONDITION (°C)	JUNCTION TEMPERATURE (°C)	
RED RED ORANGE ORANGE YELLOW	72	30	60	2000	-40 to +85	-40 +0 +100	260	95	
YELLOW GREEN GREEN	105			1000					
BLUE	70	20	-						

DRN APP DATE REVISIONS NEW RELEASE LD NO 9-24-19 CHANGED THE FOLLOWING DIMS: .049 WAS 1.10 & .042 WAS 1.00, ADDED TOP VIEW CATHODE MARK LD NO 11-17-19 CHANGED THE WAVELENGTH OF 598-8D20-102F,107F FROM 615nm TO 625nm LD NO 2-12-21 LD CS 5-24-23 REVISED PAD LAYOUT

RECOMMENDED ROHS SOLDER PROFILE



MARK	DEFINITION	CONDITION
TS _{max}	Maximum of pre-heating temperature	200 °C
TS _{min}	Minimum of pre-heating temperature	150 °C
Ts	Time form Tsmin to Tsmax	60-120 sec
T _L	Reference temperature	217 °C
[†] L	Retention time for TL	within 60s
T _P	Peak Temperature	260 °C
† P	Time for peak temperature	within IOs
DTr/Dt	Temperature rising rate	under 6°C/sec
DTd/D+	Temperature decreasing rate	under -3° C/sec

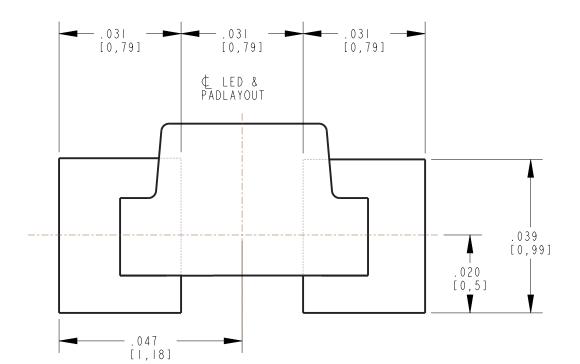


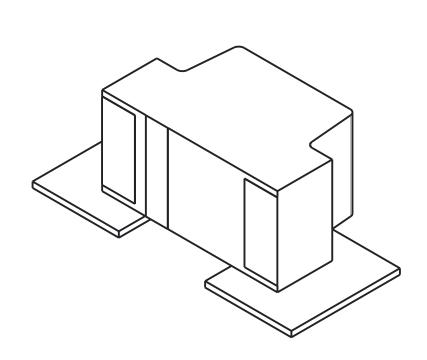
NOTES:

- I. QUANTITY IS 4,000 PCS PER REEL.2. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT
- 3. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
 4. THIS PRODUCT IS ROHS COMPLIANT. EACH BAG IS TO BE MARKED WITH ROHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE P6 FREE.

_			
	PROPERTY OF DIA CONSTRUCTION OF ANY	HE CONTENTS HEREIN ARE CONFIDENTIAL AND THE LIGHT CORP. REPRODUCTION OF THIS DRAWING O PARTS WITHIN THIS DRAWING ARE FORBIDDEN WI WRITTEN CONSENT OF DIALIGHT CORP.	R
	DIALIGHT CORP IN	TERNAL REFERENCE ONLY = 3D MODEL : 4500521848X15-A.I	
- 1	SCALE: 35.00	DRAWING NUMBER	REV
	ALL DIM'S IN: INCHES (MM)]	
	TOLERANCES: JNLESS OTHERWISE SPECIFIED	C18447	D
1	FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005	0603 RT ANGLE	
1	DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	MATERIAL	
F	INISH	DOODT FARMINGDÂL (732) S	E 34 SOUTH E, NJ 07727 019-3119 ight.com
	FSCM 83330	SHEET I OF I FAMILY TABLE:	·

RECOMMENDED PAD LAYOUT





Mouser Electronics

Authorized Distributor

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

Dialight:

598-8D80-107F 598-8D40-107F 598-8D20-107F 598-8D90-107F 598-8D30-107F 598-8D60-107F 598-8D10-107F