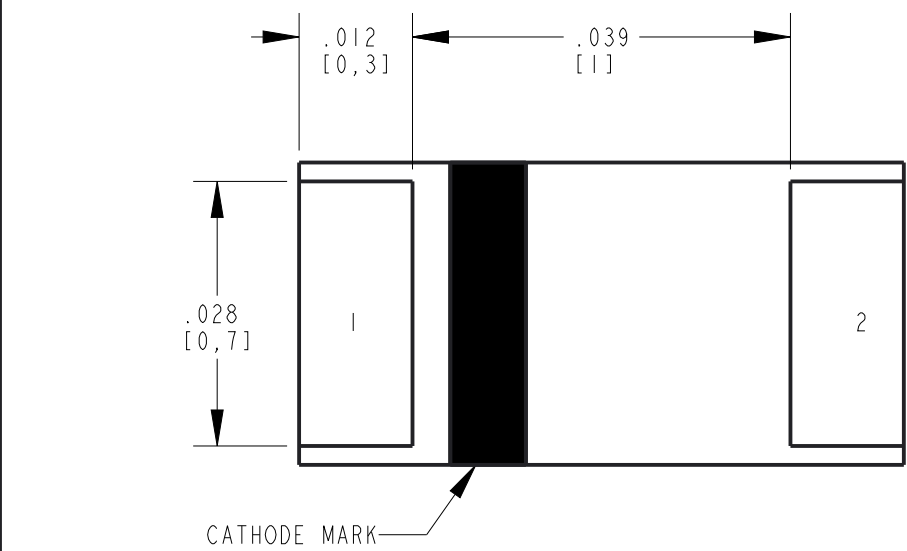
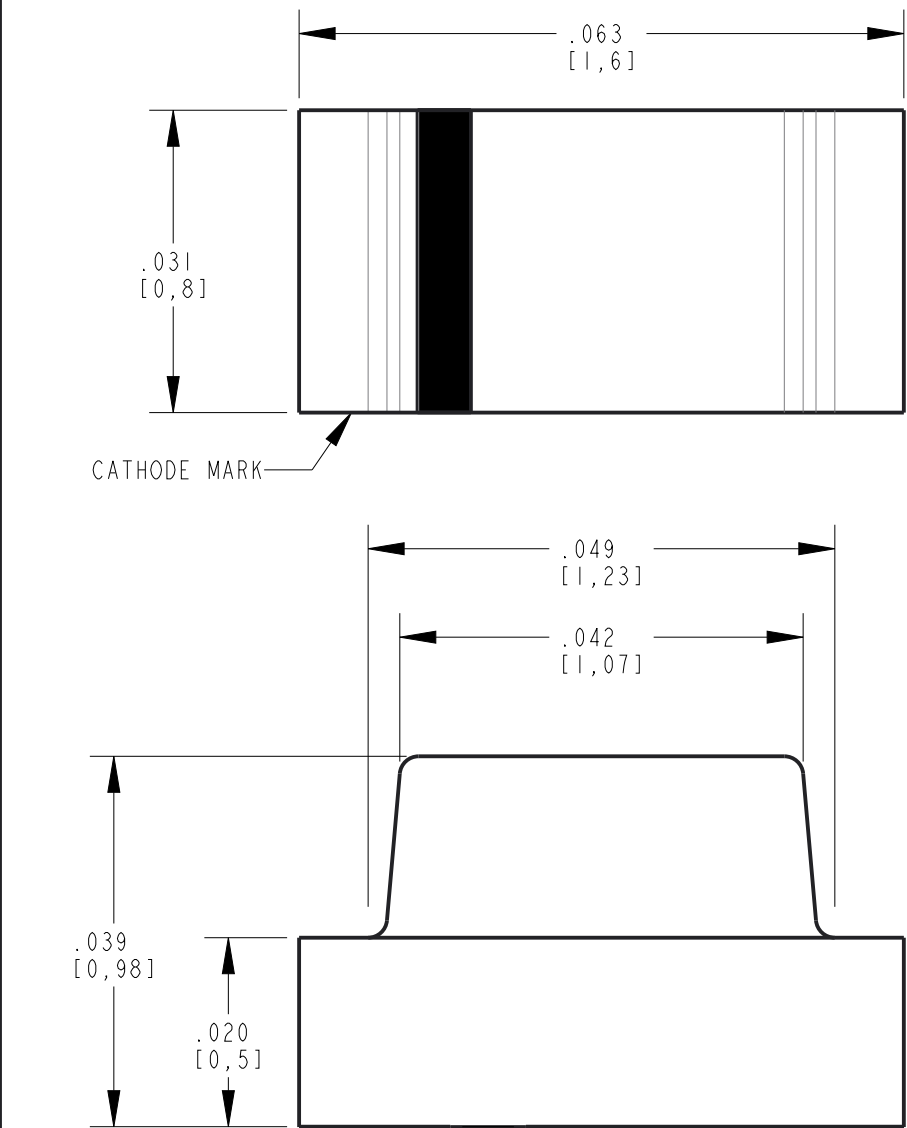
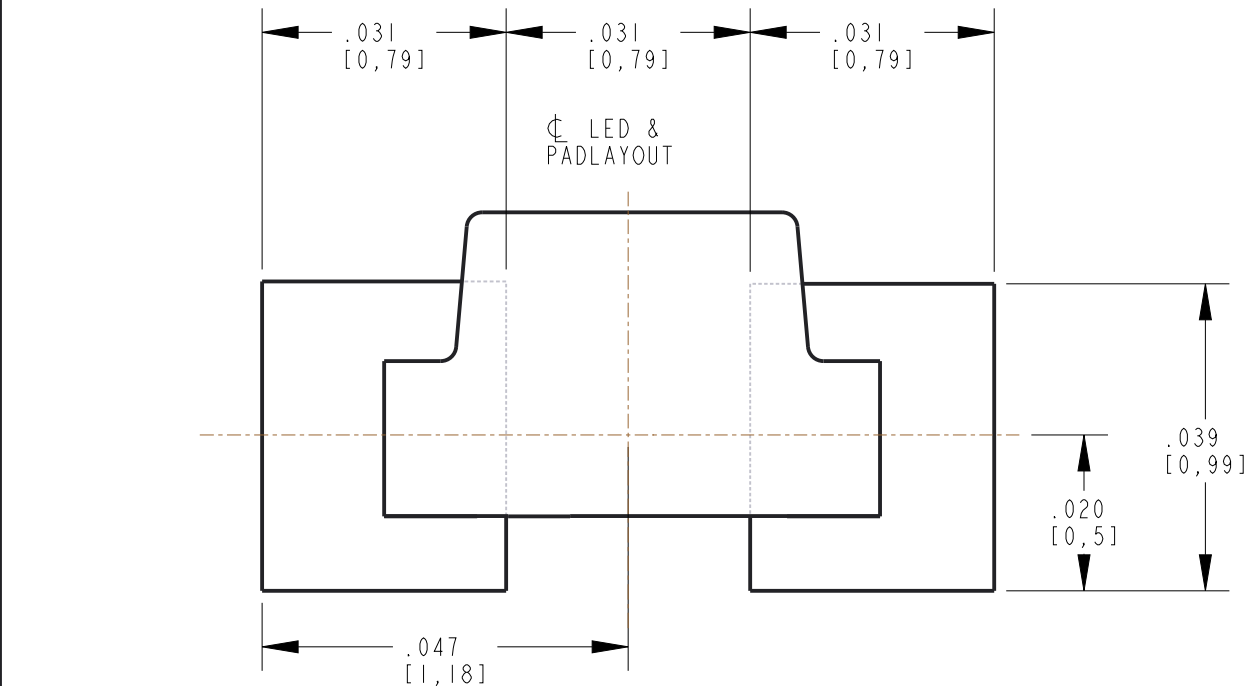


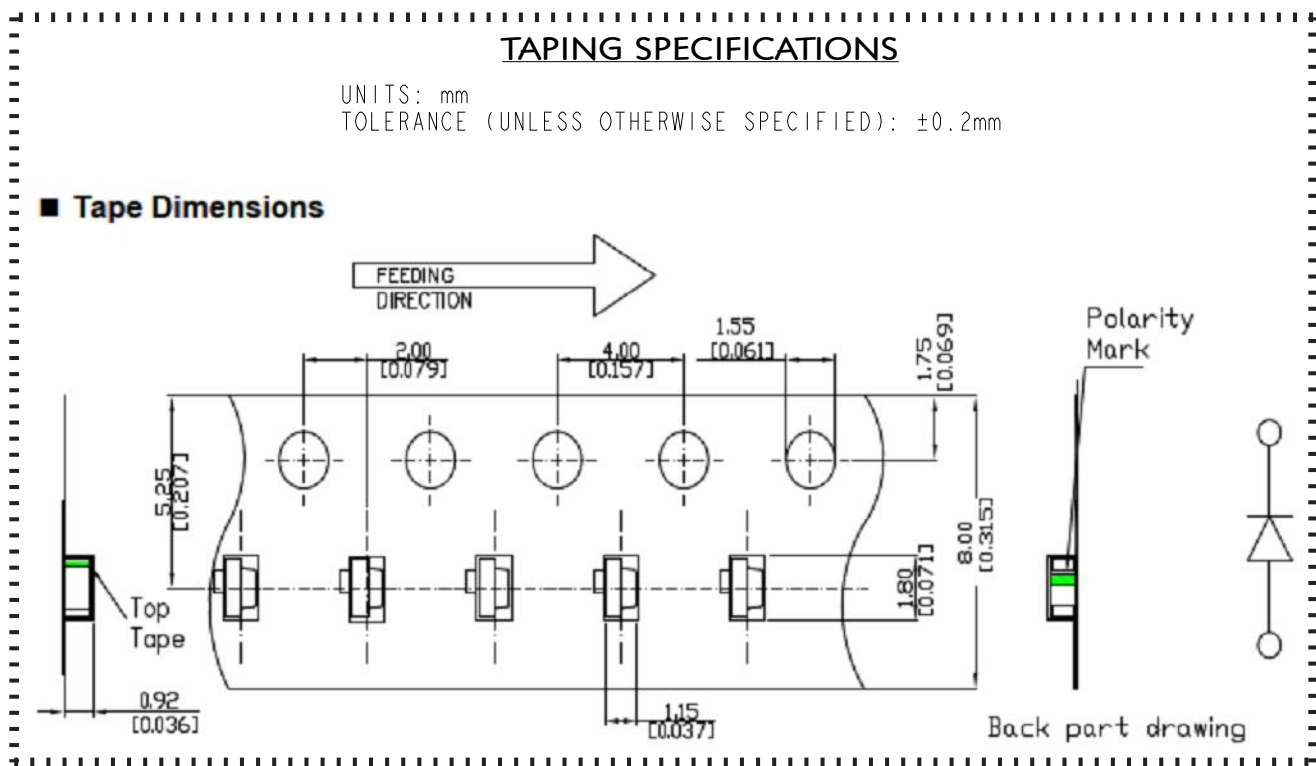
DIALIGHT PART NO	LED COLOR (nm)
598-8D10-102F,107F	RED (630)
598-8D20-102F,107F	RED ORANGE (625)
598-8D30-102F,107F	ORANGE (605)
598-8D40-102F,107F	YELLOW (590)
598-8D60-102F,107F	YELLOW GREEN (570)
598-8D80-102F,107F	GREEN (525)
598-8D90-102F,107F	BLUE (470)



RECOMMENDED PAD LAYOUT



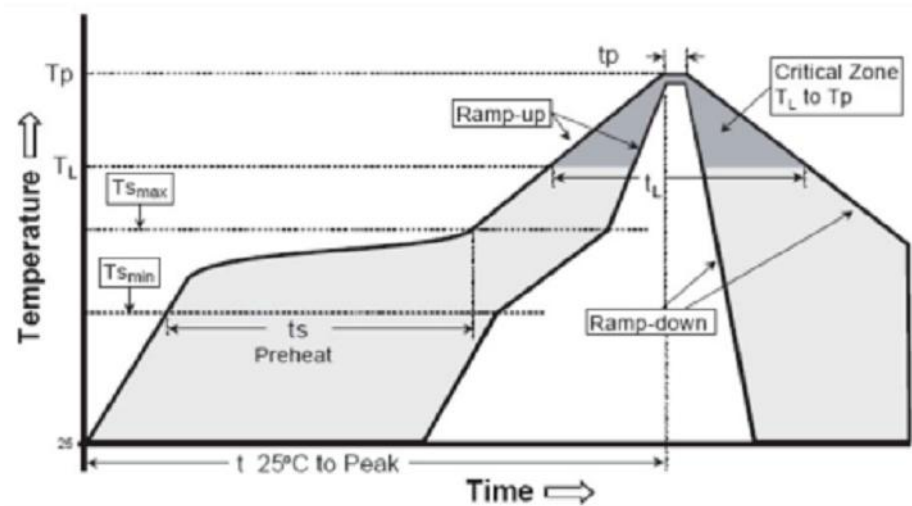
ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



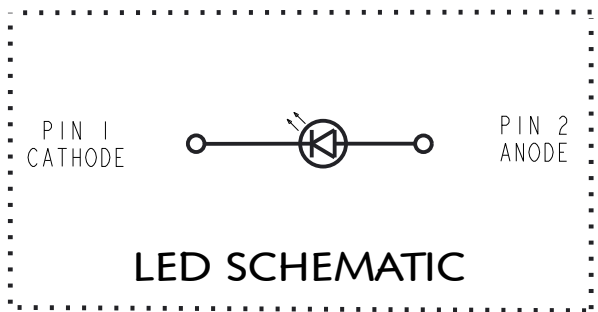
ELECTRICAL OPTICAL CHARACTERISTICS AT 25°C													
LED COLOR	TEST CONDITION	LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			REVERSE CURRENT (µA)	SPECTRAL LINE HALF-WIDTH (nm)	FORWARD VOLTAGE (VF=5mA)		VIEWING ANGLE (VF=20mA)	THERMAL RESISTANCE (VF=20mA) (°C/W)
	IF (mA)	MIN.	TYP.	MAX.	MIN	TYP.	MAX	MAX	TYP	TYP.	MAX.	TYP	MAX
RED	20	30	—	90	630	635	640	10	15	1.8	2.4	140	450
RED ORANGE		150	240	330	620	625	630			1.8	2.4		
ORANGE		90	145	200	600	605	610			1.8	2.4		
YELLOW		120	160	200	585	590	595			1.8	2.4		
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 TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)	SOLDERING CONDITION (°C)	JUNCTION TEMPERATURE (°C)
RED	72	30	60	2000	-40 to +85	-40 to +100	260	95
RED ORANGE								
ORANGE								
YELLOW								
YELLOW GREEN								
GREEN	105			1000				
BLUE	70	20						

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
TL	Reference temperature	217 °C
tL	Retention time for TL	within 60s
TP	Peak Temperature	260 °C
tp	Time for peak temperature	within 10s
DTr/Dt	Temperature rising rate	under 6° C/sec
DTd/Dt	Temperature decreasing rate	under -3° C/sec



NOTES:

- QUANTITY IS 4,000 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.

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 : 4500521848X15-A-1		
SCALE: 35.00	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C18447	D
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: ±1/64	TITLE	
DECIMALS (.XX): ±.01	0603 RT ANGLE	
DECIMALS (.XXX): ±.005	MATERIAL	
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH		
FSCM 83330	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
	SHEET 1 OF 1	FAMILY TABLE: