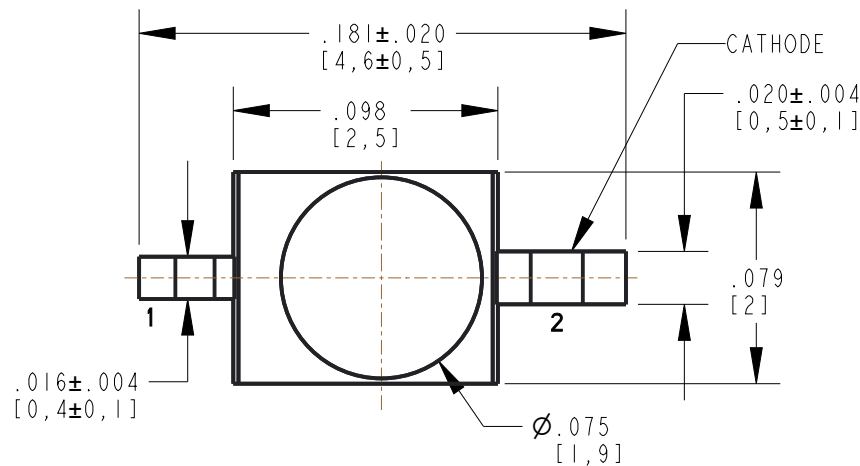


DIALIGHT PART NO.	LED COLOR	LENS COLOR
521-8720F	YELLOW-GREEN	WATER CLEAR
521-8721F	ORANGE	WATER CLEAR
521-8751F	YELLOW	WATER CLEAR
521-8752F	TRUE GREEN	WATER CLEAR
521-8753F	BLUE	WATER CLEAR

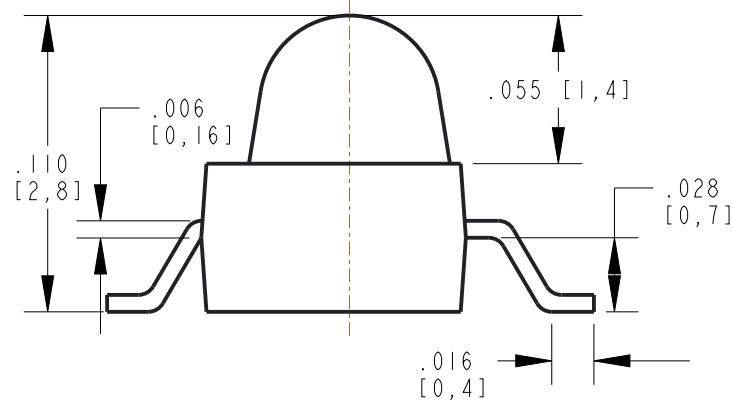
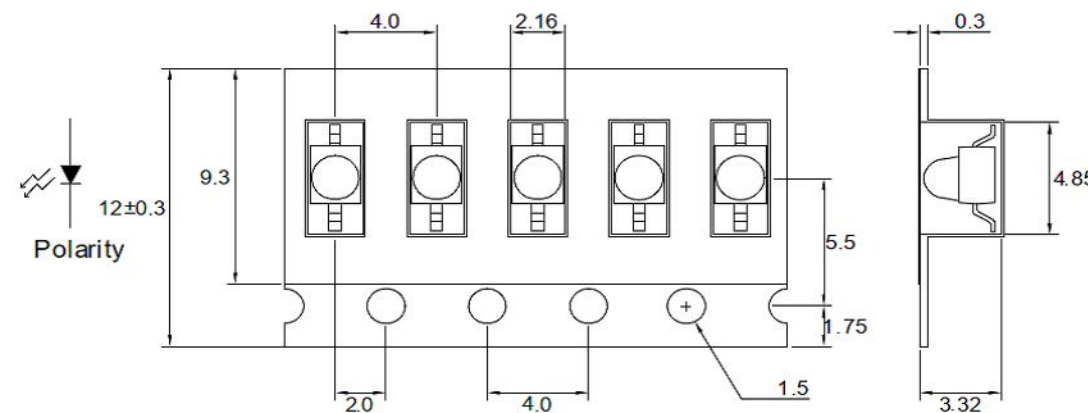
NOTES:

- PARTS ARE TO BE SUPPLIED IN 12mm CARRIER TAPE ON 7" REEL
1500 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.
- MOISTURE SENSITIVITY LEVEL IS 1.

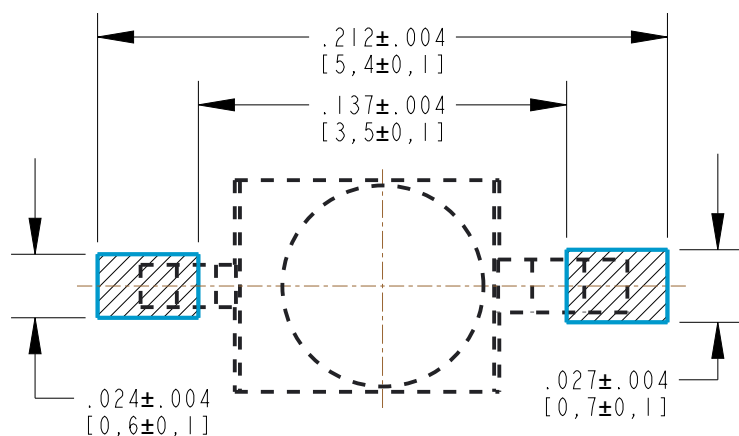
REV	ECN NO	REVISIONS	DRN	CKD	APP	QA	CM	DATE
A	122228	NEW RELEASE	LD	CS				9-13-24
B	126072	REVISED NOTE 5, MSL WAS 2	LD	CS				1-7-25



TAPE DIMENSION (mm)



LED SCHEMATIC



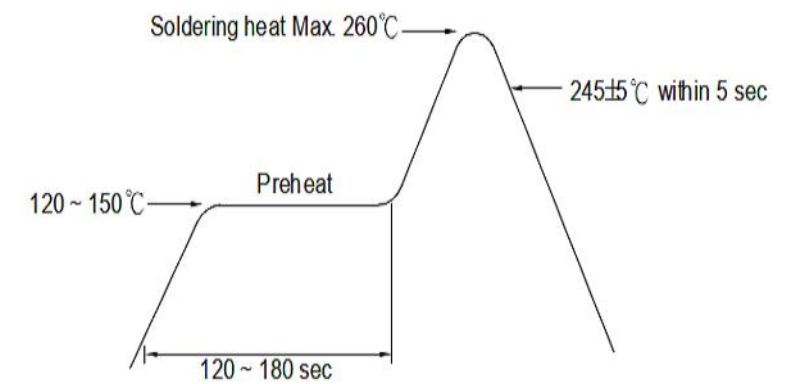
RECOMMENDED PAD LAYOUT

ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATION (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT *(mA)	REVERSE CURRENT (uA)@5V	ELECTROSTATIC DISCHARGE (V)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)
YELLOW GREEN	65	25	75	10	2000	-40 TO +85	-40 TO +100
ORANGE	65	25	60	10	2000	-40 TO +85	-40 TO +100
YELLOW	75	30	60	10	2000	-40 TO +85	-40 TO +100
TRUE GREEN	120	30	100	50	500	-20 TO +80	-30 TO +100
BLUE	120	30	100	50	500	-20 TO +80	-30 TO +100

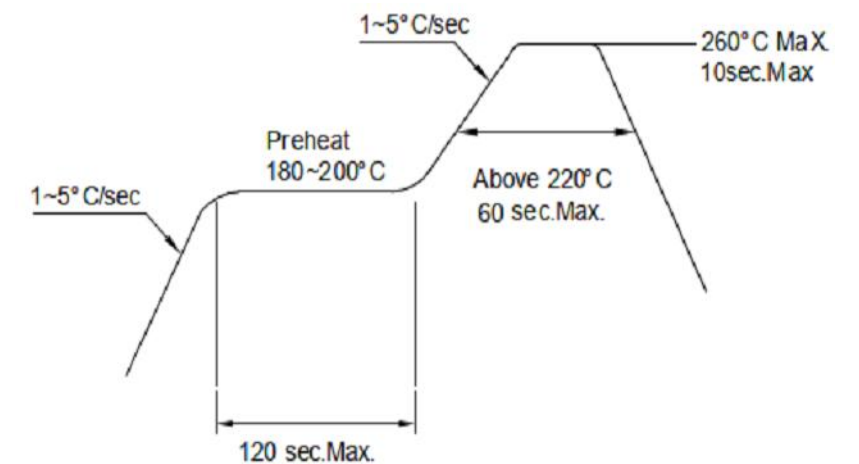
*PEAK FORWARD CURRENT : DUTY 1/10 @10KHz

ELECTRICAL OPTICAL CHARACTERISTICS AT 25°C												
LED COLOR	TEST CONDITION	LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			SPECTRAL LINE HALF-WIDTH (nm)	FORWARD VOLTAGE (V)			VIEWING ANGLE (DEG)
		I _F (mA)	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	TYP	MIN.	TYP	MAX.
YELLOW GREEN	20	300	700	1500	—	574	—	20	1.7	—	2.6	20
ORANGE	20	1800	3400	6200	—	605	—	17	1.7	—	2.6	
YELLOW	20	700	1500	3400	—	590	—	20	1.7	—	2.6	
TRUE GREEN	20	2200	4400	7700	—	525	—	36	—	3.5	4.0	
BLUE	20	700	1500	3400	—	470	—	30	—	3.5	4.0	

RECOMMENDED WAVE SOLDER PROFILE



RECOMMENDED PB-FREE REFLOW SOLDER PROFILE



ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

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DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 450052187XX30-.1		
SCALE: 14.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-18776	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64	1.9mm GULLWING LED	
DECIMALS (.XX): ±.01	MATERIAL	
DECIMALS (.XXX): ±.005	—	
DECIMALS (.XXXX): ±.0005	FINISH	
ANGLES: ±1°	—	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
SHEET 1 OF 1	FAMILY TABLE:	

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