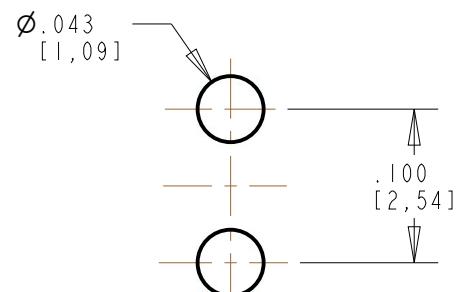
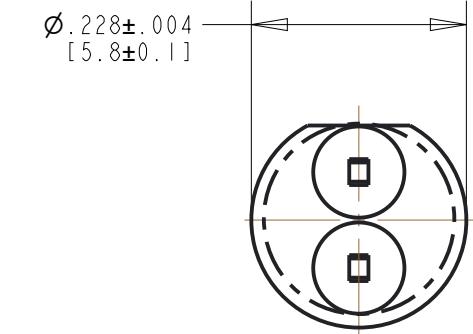
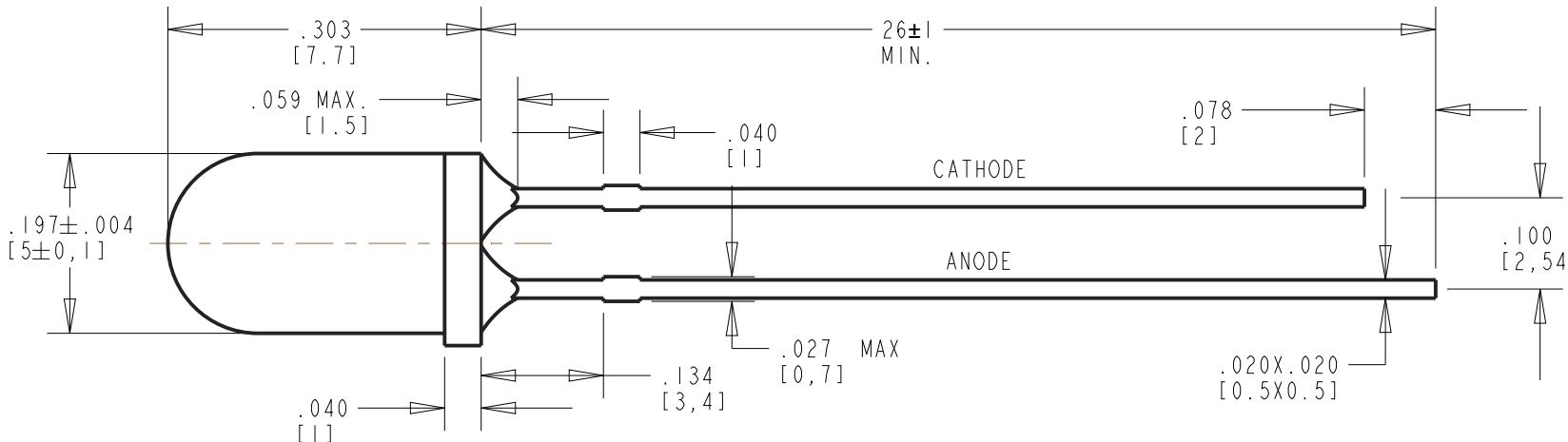


DIALIGHT PART NUMBER	LED COLOR	LENS COLOR
521-8714F	RED(625nm)	WATER CLEAR

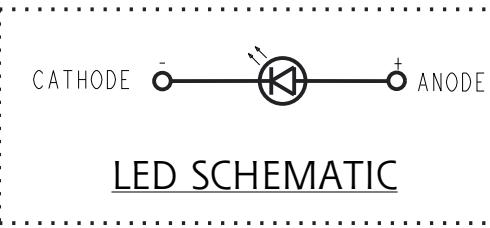
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	114070	NEW RELEASE	JSG	CS	NO	23JAN24
B	130712	ADDED LED SCHEMATIC	LD	CS		6-11-25



### RECOMMENDED PCB LAYOUT

ABSOLUTE MAXIMUM RATINGS AT 25°C						
LED COLOR	POWER DISSIPATION (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)	REVERSE VOLTAGE (V)
RED	75	30	50 (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	-40°C TO +85°C	-40°C TO +85°C	5

OPERATING CHARACTERISTICS AT 25°C AMBIENT								
LED COLOR	TEST CONDITION (mA)	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V)		REVERSE CURRENT (uA)	VIEWING ANGLE (DEGREES)	DOMINANT WAVELENGTH (nm)
		TYP	MIN	MAX	MIN	MAX		
RED	20mA	7500	23100	1.8	2.4	10µA @ VR=5V	15	620 630



**ATTENTION:**  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES

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SCALE: 2.000	DRAWING NUMBER
ALL DIM's: INCH (mm)	C-18734
TOLERANCES: UNLESS OTHERWISE SPECIFIED	REV B
FRACTIONS: ±1/64	
DECIMALS (.XX): ±.01	
DECIMALS (.XXX): ±.005	
DECIMALS (.XXXX): ±.0005	
ANGLES: ±1°	
FINISH	
MATERIAL	-
DIALIGHT CORP INTERNAL REFERENCE ONLY : 3D MODEL : 450521500X18-A.4	
FSCM 83330	
SHEET 1 OF 1	FAMILY TABLE

**Dialight**

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