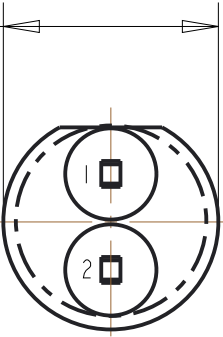
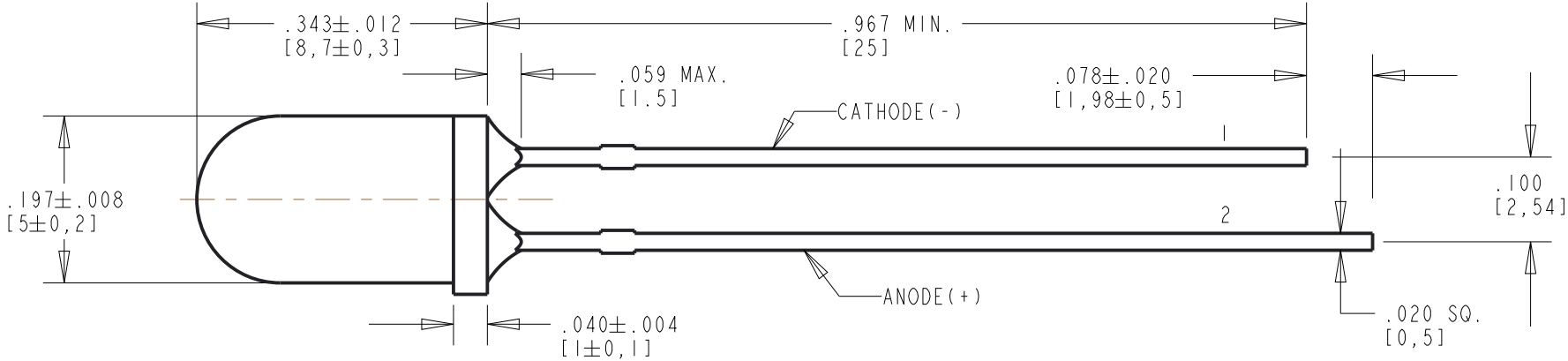


DIALIGHT P/N	LED COLOR	LENS COLOR
521-5001F	NON VISIBLE(950nm)	BLUE
521-5002F	NON VISIBLE(940nm)	BLUE

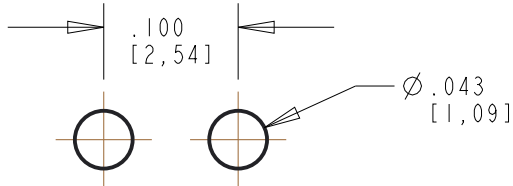
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	111567	NEW RELEASE	JSG	CS	CS	01NOV23
B	130712	ADDED HOLE PATTERN & POLARITY CALLOUT	LD	CS		6-11-25



NOTES:

- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON EXISTENT ON PART
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- LEDS TO BE PACKAGED IN A TRANSPARENT STATIC SHIELDED METAL FOIL BAG WITH ESD LABELING OR EQUIVALENT
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS) MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-610
- THIS PRODUCT IS ROHS COMPLIANT, EACH BAG IS MARKED WITH ROHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE PB FREE (ROHS COMPLIANT).

ABSOLUTE MAXIMUM RATINGS AT 25°C						
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	OPERATING TEMPERATURE (°C)	STORAGE TEMPRATURE (°C)	DERATING CURVE FROM 25°C (mA/°C)	REVERSE VOLTAGE (V)
BLUE(950nm)	170	100	-40°C TO +85°C	-40°C TO +100°C	0.5	5
BLUE(940nm)	170	100	-40°C TO +85°C	-40°C TO +100°C	0.5	5

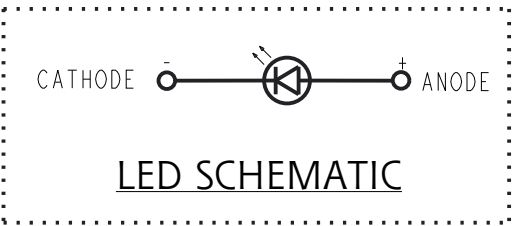


RECOMMENDED HOLE PATTERN



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

OPERATING CHARACTERISTICS AT 25°C AMBIENT										
LED COLOR	TEST CONDITION (mA)	RADIANT INTENSITY (mW/sr)			FORWARD VOLTAGE (V)			REVERSE CURRENT (uA)	VIEWING ANGLE (DEGREES)	PEAK EMISSION WAVELENGTH (nm)
	TYP	MIN	TYP	MAX	MIN	TYP	MAX	MAX	TYP	TYP
BLUE(950nm)	100mA	15	30	50		1.3	1.7	10µA @ VR=5V	44	950
BLUE(940nm)		25	50	125		1.35	1.6		50	940



LED SCHEMATIC

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DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 4500521500X18-A.4		
SCALE: 7.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-18723	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64	5mm IR LED BLUE LENS	
DECIMALS (.XX): ±.01	MATERIAL	
DECIMALS (.XXX): ±.005		
DECIMALS (.XXX): ±.0005		
ANGLES: ±1°		
FINISH		
FSCM 83330		
	SHEET 1 OF 1	FAMILY TABLE:

Dialight

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