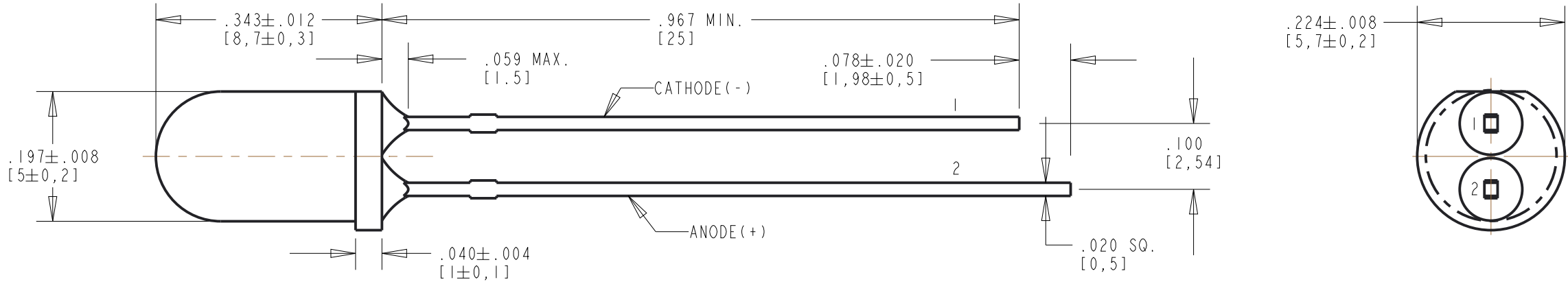


DIALIGHT P/N	LED COLOR	LENS COLOR
521-5001F	NON VISIBLE(950nm)	BLUE
521-5002F	NON VISIBLE(940nm)	BLUE

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

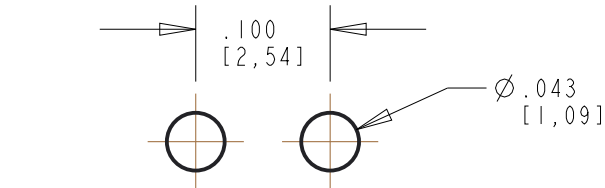


NOTES:

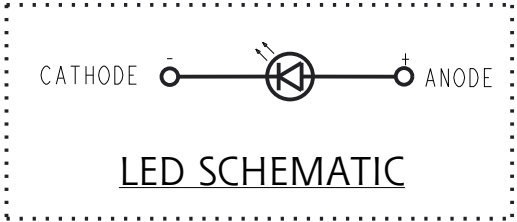
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON EXISTENT ON PART
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- LEDS TO BE PACKAGED IN A TRANSPARENT STATIC SHIELDED METAL FOIL BAG WITH ESD LABELING OR EQUIVALENT
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS) MAINTAIN ALL 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 TEMPERATURE (°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

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



RECOMMENDED HOLE PATTERN



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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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 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	5mm IR LED BLUE LENS	
FINISH	MATERIAL	
-	-	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
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