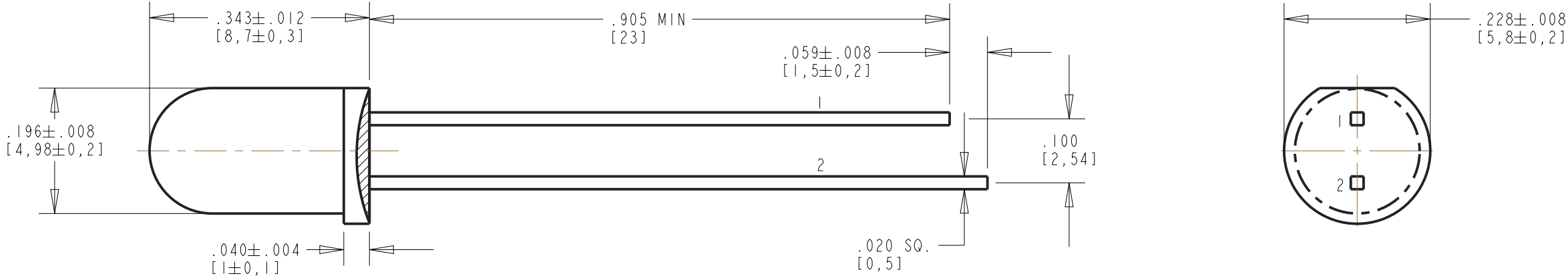


DIALIGHT P/N	LED COLOR	LENS COLOR
521-5500F	NON VISIBLE(950nm)	WATER CLEAR

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	111567	NEW RELEASE	JSG	CS	CS	01NOV23
B	126246	OPERATING AND STORAGE TEMP WAS -25 TO +100°C	LD	CS		1-9-25
C	130712	ADDED HOLE PATTERN	LD	CS		6-11-25

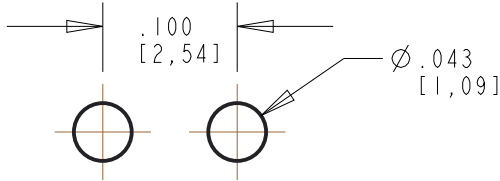


NOTES:

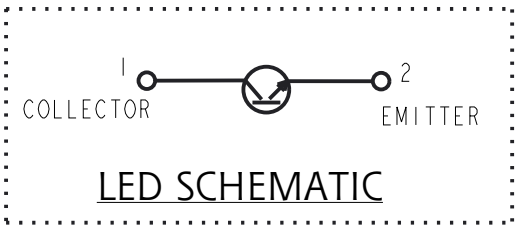
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON EXISTENT ON PART
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- LEDs TO BE PACKAGED IN A TRANSPARENT STATIC SHIELDED METAL FOIL BAG WITH ESD LABELING OR EQUIVALENT
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS) MAINTAIN ALL 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 AMBIENT	VALUE	UNITS
OPERATING TEMPERATURE	-40 TO +100	°C
STORAGE TEMPERATURE	-40 TO +100	°C


OPERATING CHARACTERISTICS AT 25° C AMBIENT	TEST CONDITION	VALUE			UNITS
		MIN	TYP	MAX	
COLLECTOR-EMITTER BREAKDOWN	$I_C = 100 \mu A$	30		100	V
EMITTER-COLLECTOR BREAKDOWN VOLTAGE	$I_E = 100 \mu A$	6.5			mA
COLLECTOR DARK CURRENT	$V_{CE} = 20V$			100	nA
LIGHT CURRENT	$V_{CE} = 5V$ $E_e = 0.5mW/cm^2$ $\lambda_p = 950nm$	710		2800	μA
COLLECTOR-EMITTER SATURATION VOLTAGE	$I_C = 2mA$ $I_B = 100 \mu A$			0.2	V
RISE/FALL TIME	$V_{CE} = 5V$ $I_C = 1mA$ $R_L = 1000\Omega$		15/15		μs
VIEWING ANGLE			50		DEGREE



RECOMMENDED HOLE PATTERN



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 4500521500X18-A.2		
SCALE: 2.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-18724	C
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 5mm PHOTOTRANSISTOR LED	
FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .01$ DECIMALS (.XXX): $\pm .005$ DECIMALS (.XXXX): $\pm .0005$ ANGLES: $\pm 1^\circ$	MATERIAL -	
FINISH -	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: