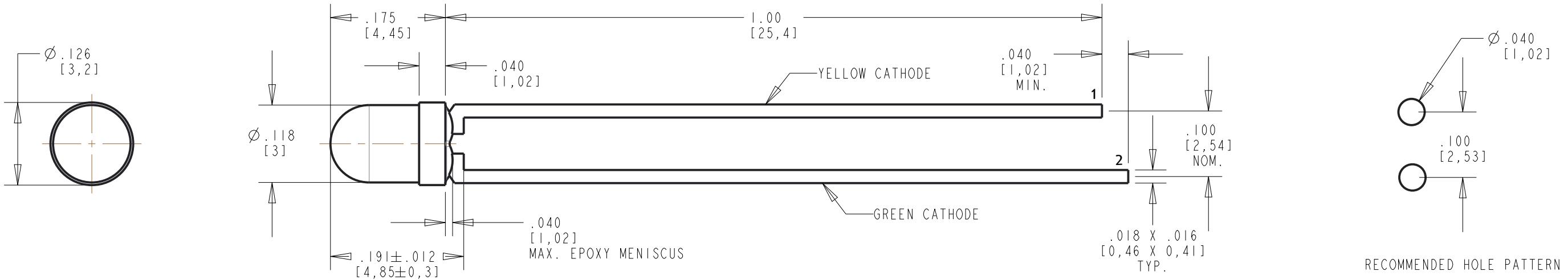


PART NUMBER	LED COLOR	LENS
521-8778F	AlInGaP Yellow/InGaN Green	WHITE DIFFUSED

REV	ECN NO	REVISIONS	DRN	CKD	APP	QA	CM	DATE
A	I27440	NEW RELEASE	LD	CS				2-10-25
B	I30712	ADDED HOLE PATTERN	LD	CS				6-11-25



NOTES

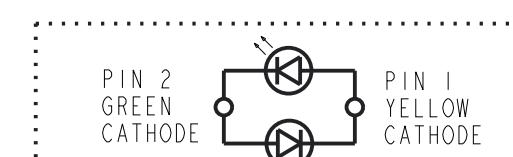
1. DIALIGHT PART NUMBER: 521-8778F.
2. EPOXY COLOR: WHITE DIFFUSED.
3. DIE: YELLOW/GREEN (BI-COLOR).
4. LEADS: SOLDER DIP MILD STEEL.
5. SOLDER ADHERANCE: BOTH LEADS PER MIL. STD. 202E, METHOD 208C.
6. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
8. THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE (RoHS COMPLIANT).

OPERATING CHARACTERISTICS AT 25°C AMBIENT												
LED COLOR	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)			LUMINOUS INTENSITY (mcd) @ $I_F = 10\text{mA}$			FORWARD VOLTAGE (V) @ $I_F = 20\text{mA}$			REVERSE CURRENT (mA)	VIEWING ANGLE (DEGREES)
	TYP	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MAX	TYP
YELLOW	591	586	590	593	30	65	140	1.6	2.1	2.6	100@ $VR = 5\text{V}$	80
GREEN	518	520	525	530	110	240	520	2.8	3.2	3.8		

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		YELLOW	GREEN	UNITS
POWER DISSIPATION		78	114	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)		80	60	mA
CONTINUOUS FORWARD CURRENT		30	30	mA
LEAD SOLDERING TEMPERATURE [1.6mm (.063") FROM BODY] FOR 5 SEC.		260	260	°C
OPERATING TEMPERATURE		-40 TO +85	-40 TO +85	°C
STORAGE TEMPERATURE		-40 TO +100	-40 TO +100	°C



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



LED SCHEMATIC

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CALE: 6.000	DRAWING NUMBER	REV
DIM's: INCH (mm)	C-18799	
ES: OTHERWISE SPECIFIED	B	
NS: $\pm 1/64$	TITLE	
S (XX): ± 0.010	ϕ 3mm YELLOW/GREEN BI-COLOR LED	
S (XXXX): ± 0.005	MATERIAL	
$\pm 1^\circ$	-	
-	-	
CM 8330	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	