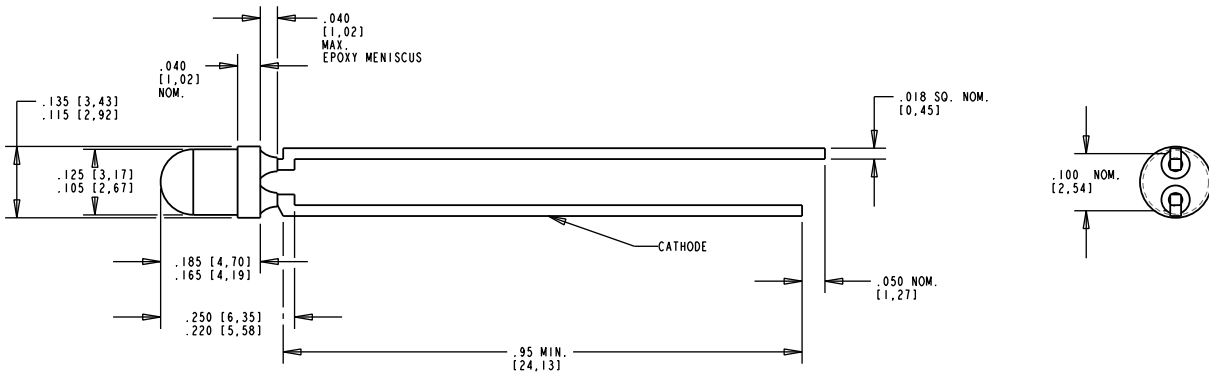


REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A		NEW RELEASE	JAV			



NOTES:

1. LENS COLOR: WATER CLEAR (NON-TINTED, NON DIFFUSED).
2. DIE: In GaN BLUE COATED WITH PHOSPHOR TO PRODUCE WHITE.
3. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
4. DIALIGHT PART NUMBER: 521-9901

OPERATING CHARACTERISTICS AT 25°C AMBIENT

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	520		1500	mc d	$I_f = 20\text{mA}$
FORWARD VOLTAGE		3.6	4.0	V	$I_f = 20\text{mA}$
REVERSE CURRENT	10			μA	$V_R = 5\text{V}$
VIEWING ANGLE (2 θ 1/2)		45		DEG.	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT

	VALUE	UNITS
POWER DISSIPATION	120	mW
LINEAR DERATION FROM 55°C	0.7	mA°C
FORWARD DC CURRENT	30	mA
PEAK FORWARD CURRENT ($\leq 1/10$ DUTY CYCLE $T_W \leq 10$ msec.)	100	mA
REVERSE VOLTAGE @ $I_R = 10\mu\text{A}$	5	V
OPERATING TEMPERATURE	-40 TO +80	$^\circ\text{C}$
STORAGE TEMPERATURE	-40 TO +100	$^\circ\text{C}$
DIP-DRAG SOLDER TEMPERATURE	260 FOR 5 SEC.	$^\circ\text{C}$
WAVE SOLDER TEMPERATURE	245 FOR 3 SEC.	$^\circ\text{C}$

BIN	LIMITS (CHROMATICITY COORDINATES)				
1	X	0.330	0.330	0.356	0.361
	Y	0.360	0.318	0.351	0.385
2	X	0.287	0.296	0.330	0.330
	Y	0.295	0.276	0.318	0.339
3	X	0.264	0.280	0.296	0.283
	Y	0.267	0.248	0.276	0.305
4	X	0.283	0.287	0.330	0.330
	Y	0.305	0.295	0.339	0.360

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SCALE 6:1 ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17090	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .01$ DECIMALS (.XXX): $\pm .008$	TITLE \varnothing 3.0 mm WHITE LED	
ANGLES: $\pm 1^\circ$	MATERIAL	
FINISH:	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCN 83330	SHEET OF	FAMILY TABLE: