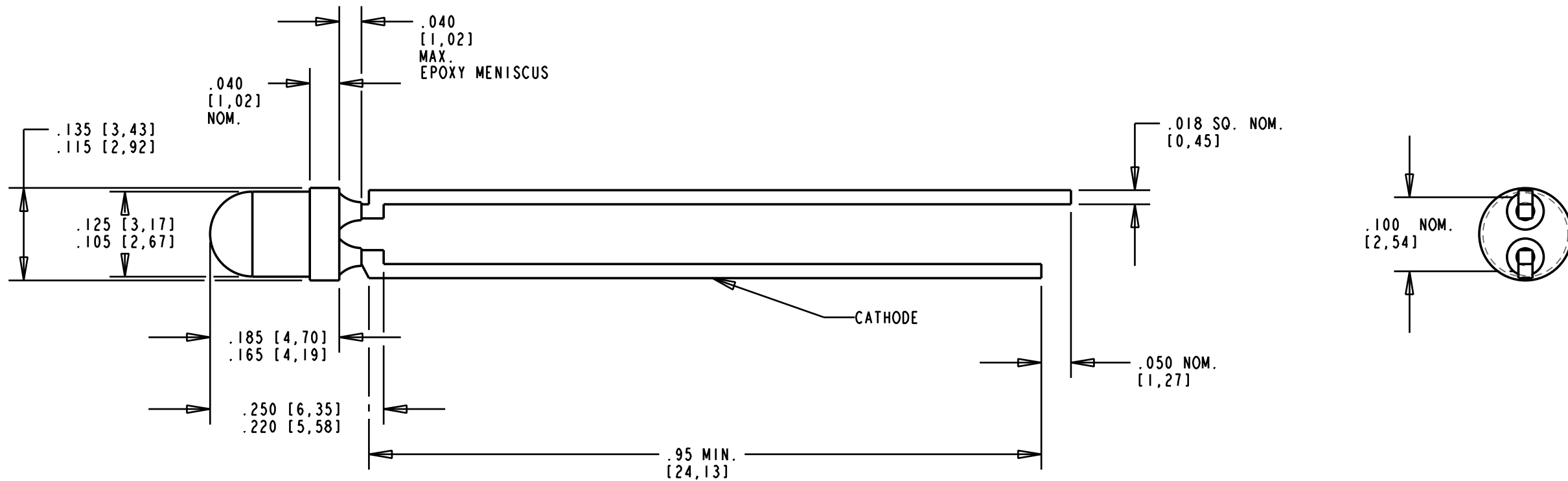


REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	—	NEW RELEASE	JAV			



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 = 20mA
FORWARD VOLTAGE		3.6	4.0	V	I _F = 20mA
REVERSE CURRENT	10			μA	V _R = 5V
VIEWING ANGLE (2θ _{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 (≤ 1/10 DUTY CYCLE TW ≤ 10 msec.)	100	mA
REVERSE VOLTAGE @ I _R = 10μA	5	V
OPERATING TEMPERATURE	-40 TO +80	°C
STORAGE TEMPERATURE	-40 TO +100	°C
DIP-DRAG SOLDER TEMPERATURE	260 FOR 5 SEC.	°C
WAVE SOLDER TEMPERATURE	245 FOR 3 SEC.	°C

BIN	LIMITS (CHROMATICITY COORDINATES)				
	X	Y	Z	U	V
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		DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)		C-17090	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED		TITLE ∅ 3.0 mm WHITE LED	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.008		MATERIAL	
ANGLES: ±1°		Dialight	
FINISH:		1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330		SHEET OF FAMILY TABLE:	