



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

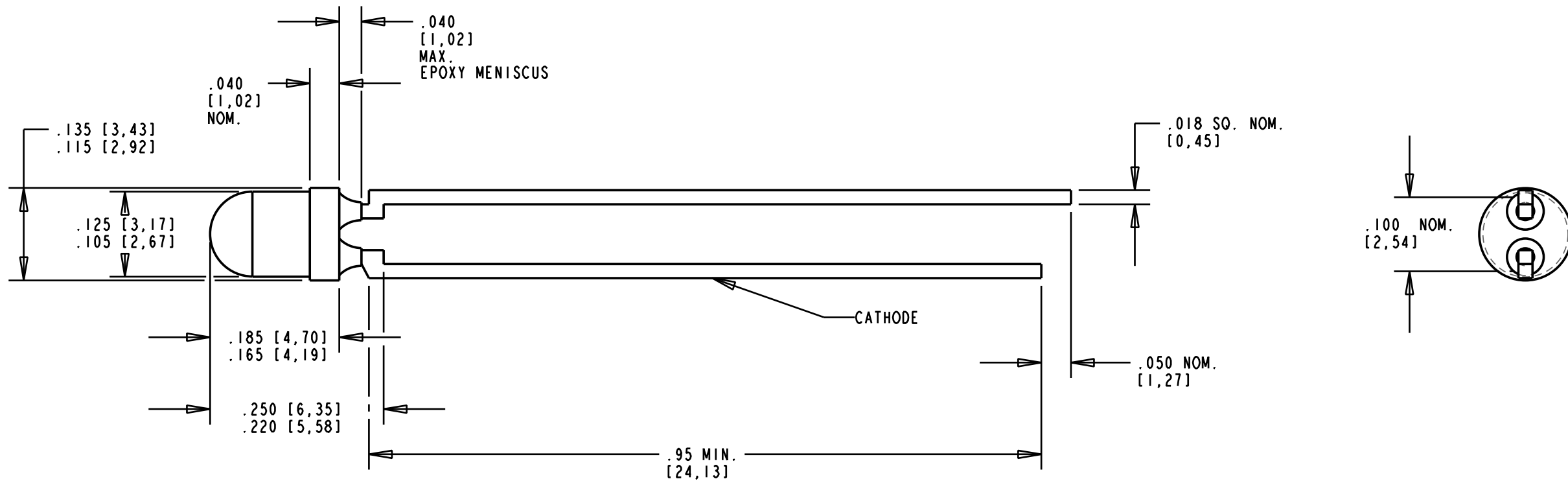
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REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	—	NEW RELEASE	JAV			



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-DRAW 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: