

Excellent Integrated System Limited

Stocking Distributor

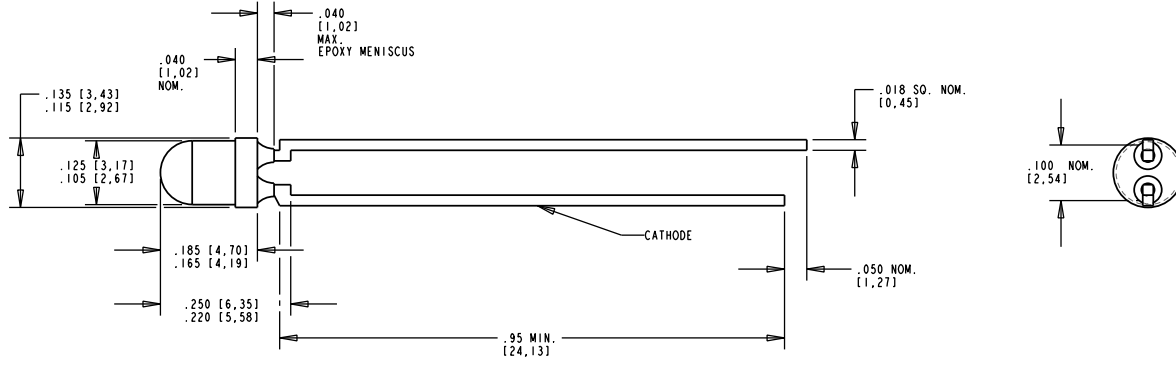
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Dialight](#)
[5219901](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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



NOTES:

1. LENS COLOR: WATER CLEAR (NON-TINTED, NON DIFFUSED).
2. DIE: 1n 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	mcd	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 _a = 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)				
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
TOLERANCES: UNLESS OTHERWISE SPECIFIED	REV
FRACTIONS: ±1/64	C-17090
DECIMALS (.XX): ±.01	TITLE
DECIMALS (.XXX): ±.008	∅ 3.0 mm WHITE LED
ANGLES: ±1°	MATERIAL
FINISH:	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
SHEET OF	FAMILY TABLE: