

## Excellent Integrated System Limited

Stocking Distributor

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

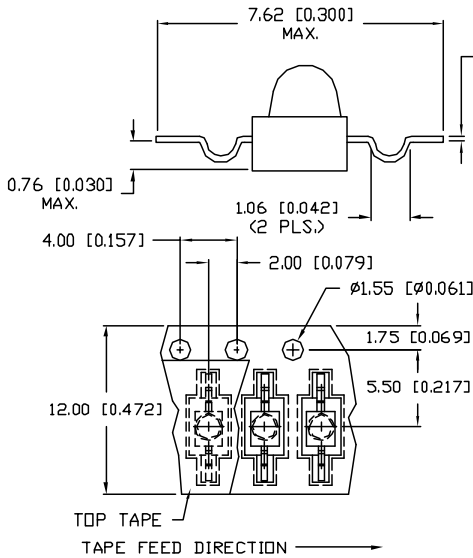
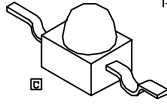
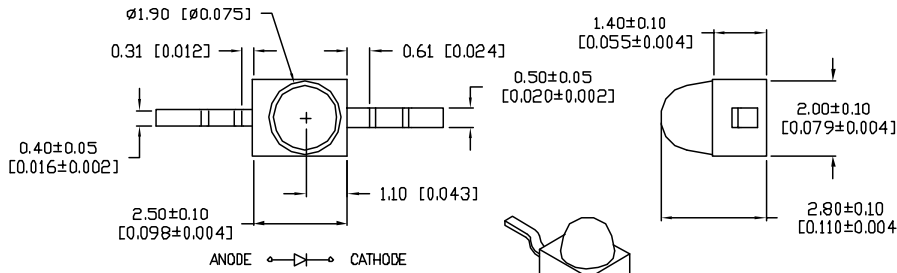
[Lumex, Inc.](#)  
[SSL-LXA228GD-TR21](#)

For any questions, you can email us directly:

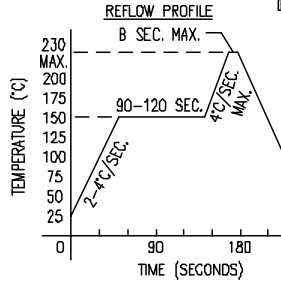
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

UNCONTROLLED DOCUMENT

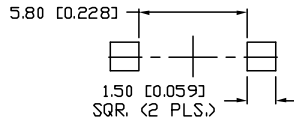
PART NUMBER		REV.
SSL-LXA228GD-TR21		D
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D. SPECS WHERE NOTED.	8.3.94
B	CHG'D. WHERE NOTED.	11.29.94
C	E.C.N. #10695.	1.5.01
D	E.C.N. #11148	11.14.06



0.15±0.02  
[0.006±0.001]



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.1	2.8	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100μA
AXIAL INTENSITY		4		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

\*  $t < 10\mu\text{s}$

NOTES:

- 1,000 PIECES PER REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.006). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION -0.00 MAX.=+0.00 -DECIMAL PRECISION

REV.	PART NUMBER
D	SSL-LXA228GD-TR21
AXIAL LEADED LED, YOKE LEADS, 565nm GREEN, GREEN DIFFUSED LENS, TAPE AND REEL.	

**CONFIDENTIAL INFORMATION**  
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**RELIABILITY NOTE**  
 OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

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DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 11.14.06
JC			PAGE: 1 OF 1 SCALE: N/A