

Excellent Integrated System Limited

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[Lumex, Inc.](#)
[SSP-LXC04393](#)

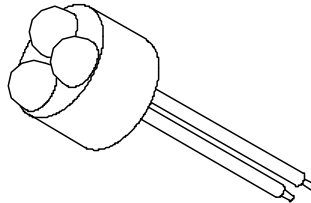
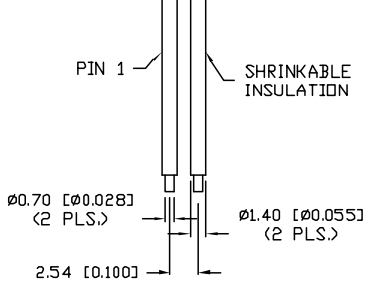
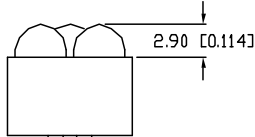
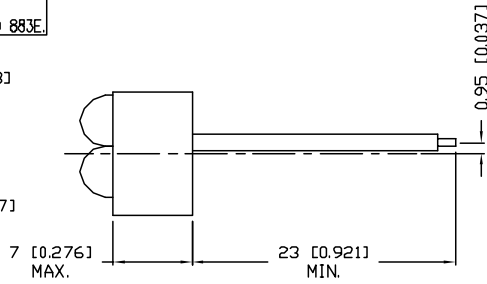
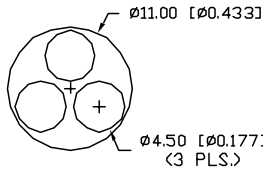
For any questions, you can email us directly:
sales@integrated-circuit.com

UNCONTROLLED DOCUMENT

PART NUMBER
SSP-LXC04393

REV.

CAUTION: STATIC SENSITIVE DEVICE
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES
 WHEN WORKING WITH THIS PART.
 ESD CLASSIFICATION: CLASS II BASED ON MIL-STD 883E



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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			550		nm	
FORWARD VOLTAGE	V_f	10.5	12.0		V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5.0			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY**	I_v		2000		mcd	$I_f=20\text{mA}$
CHROMATICITY	X	0.28	0.31	0.34		
COORDINATES***	Y	0.29	0.32	0.35		$I_f=20\text{mA}$
VIEWING ANGLE			30		$2x$ theta	
EMITTED COLOR:	WHITE					
EPOXY LENS FINISH:	WATER CLEAR					

** INTENSITY PER DIE.

AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

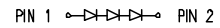
*** CHROMATICITY COORDINATES PER THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	98	mW
DERATE FROM 25°C	-1.0	mW/°C
OPERATING, STORAGE TEMP.	-30 TO +70	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

PIN OUT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.030), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). NN=-0.00 MAX=-DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV.	PART NUMBER SSP-LXC04393
0.43" CIRCULAR, LED CLUSTER, 550nm InGaN/SiC WHITE LEDS, WATER CLEAR LENS.	

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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