

UNCONTROLLED DOCUMENT

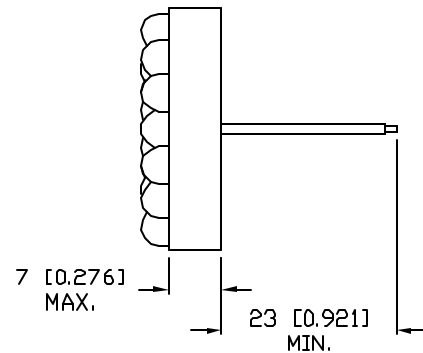
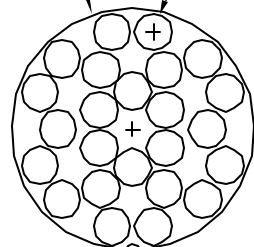
PART NUMBER
SSP-LXC1282UP24

REV.
B

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.

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10616.	4-20-00
B	E.C.N. #10626.	6-1-00

Ø32.50 [Ø1.280]
Ø5.00 [Ø0.197]
(24 PLS.)



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=80\text{mA}$

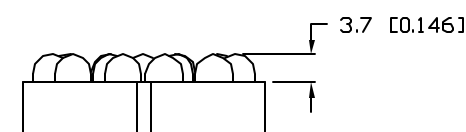
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		525		nm	
FORWARD VOLTAGE		21	24	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY**		5000		mcd	$I_f=80\text{mA}$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	ULTRA PURE GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

** INTENSITY PER DIE.

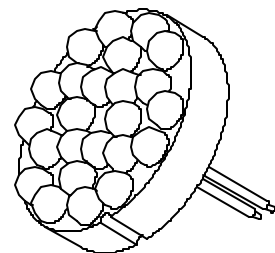
LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	90	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

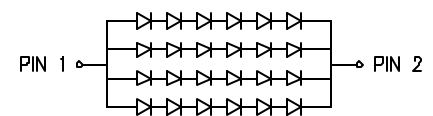
* $t < 10\mu\text{s}$



PIN 1
SHRINKABLE INSULATION
Ø0.70 [Ø0.028]
(2 PLS.)
2.54 [0.100]
Ø1.40 [Ø0.055]
(2 PLS.)



PIN OUT



REPLACES PART #: SSP-LXC1282UP24A

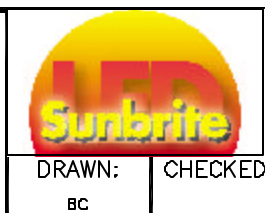
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+0.00}/_{-0.00} MAX= ^{+0.00}/_{-0.00}

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REV. B	PART NUMBER SSP-LXC1282UP24
1.28" CIRCULAR, 24 LAMP POLYLED, 525nm InGaN/SiC GREEN 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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