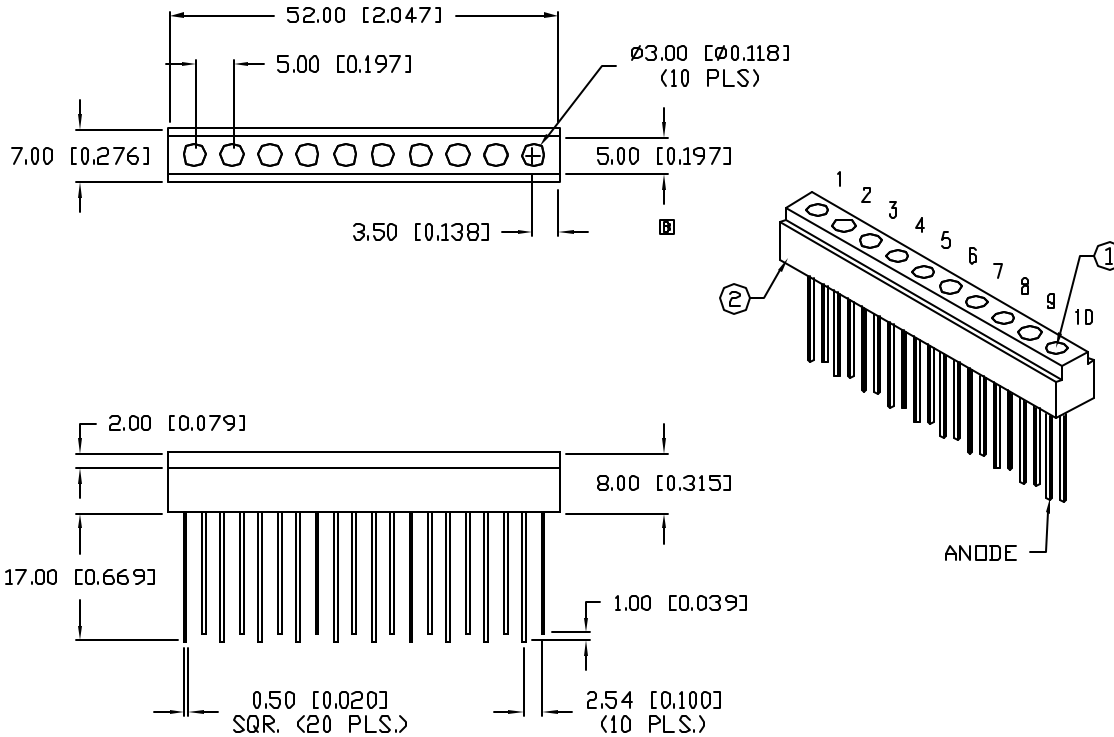


UNCONTROLLED DOCUMENT

PART NUMBER  
SSA-LXB102GD

REV.  
C



REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	SAFE OPER. SPECS & DWG. NAME.	8.23.94
B	UPDATED SPECS, ADDED NOTES.	11.17.94
C	E.C.N. #10BRDR. & REDRAWN.	12.25.01

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		8		mcad	I <sub>f</sub> =20mA
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
ⓐ PEAK FORWARD CURRENT*	150	mA
ⓑ STEADY CURRENT	25	mA
Ⓒ POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
Ⓓ OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
Ⓔ 2.0mm FROM BODY		3 SEC. MAX

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

NOTES:

1. SSL-LX30FT14GD, GREEN LED. (10 PCS.)
2. SSH-LXH102, BLACK HOLDER.
- ⓐ 3. USE U.V. GLUE TO HOLD LEDS IN PLACE.
- ⓑ 4. LEADS TO BE FREE OF GLUE.

UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER
C	SSA-LXB102GD
T-3mm 10 LED FLAT TOP ARRAY, 565nm GREEN LEDS, GREEN DIFFUSED LENS.	

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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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		DATE: 8.18.93 PAGE: 1 OF 1 SCALE: N/A