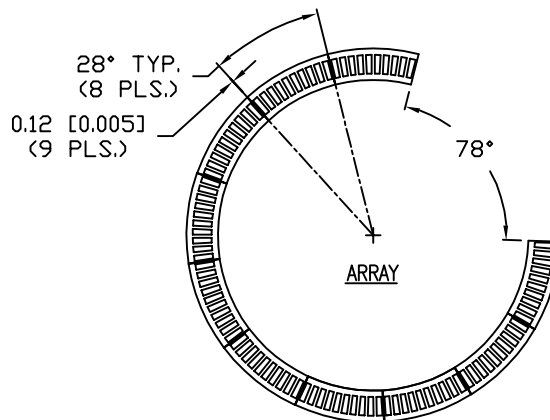
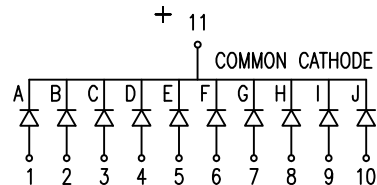
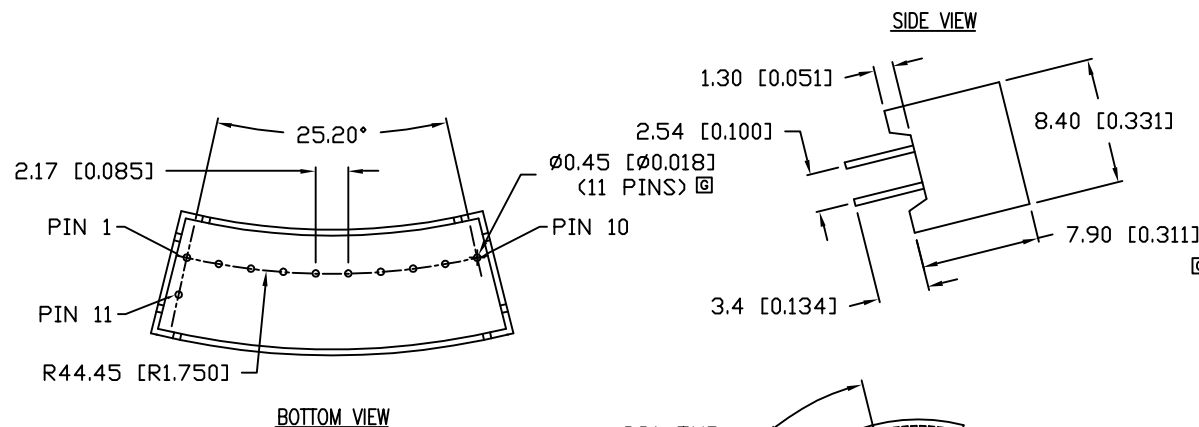
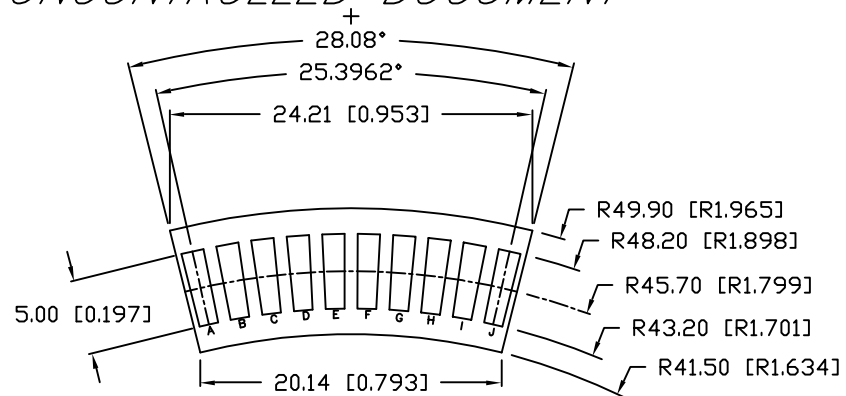


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PART NUMBER
SSA-LXB10-23695REV.
H

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REMOVED NOTE DENOTING COM. CATHODE.	11.18.93
B	SCHEMATIC REDRAWN.	11.29.93
C	CHANGED DIMENSION.	3.16.94
D	REDUCE NUMBER OF PINS FROM 20 TO 11.	8.15.94
E	UPDATED SAFE OPER. SPECS.	3.2.95
F	E.C.N. #10678.	11.13.00
G	E.C.N. #11353.	9.22.06
H	E.C.N. #1114	5.23.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.7	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				
FACE COLOR:	WHITE				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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

NOTES:

- LUMEX PART NUMBER TO BE STAMPED ON THE SIDE OF THE REFLECTOR.



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

REV.

H

PART NUMBER

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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:

JN

CHECKED BY:

APPROVED BY:

DATE: 7.9.91

PAGE: 1 OF 1

SCALE: N/A

10 SEGMENT CURVED ARRAY,

660nm SUPER RED CHIPS, MILKY WHITE DIFFUSED.

Mouser Electronics

Authorized Distributor

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