

DATE	REVISIONS	REV
2-15-95	ADDED NOTE AND UPDATED SPECS./	A

DRAWING NUMBER	REV
SSA-LXB07-6I1GW	A

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

PARAMETER	RED	GREEN	UNITS
PEAK COLOR WAVELENGTH	635	565	nm
FORWARD VOLTS (TYP)	2.1	2.1	V_f
FORWARD VOLTS (MAX)	2.8	2.8	V_f
AXIAL INTENSITY (TYP)	10	10	mcd
REVERSE VOLTS @100 μA	5.0	5.0	V_r MIN
VIEWING ANGLE (TYP)	160	160	2x theta
LED POSITION	1-6	7	
EMITTER COLOR	RED	GREEN	
EPOXY LENS FINISH	MILKY WHITE DIFFUSED		
FACE COLOR	BLACK		

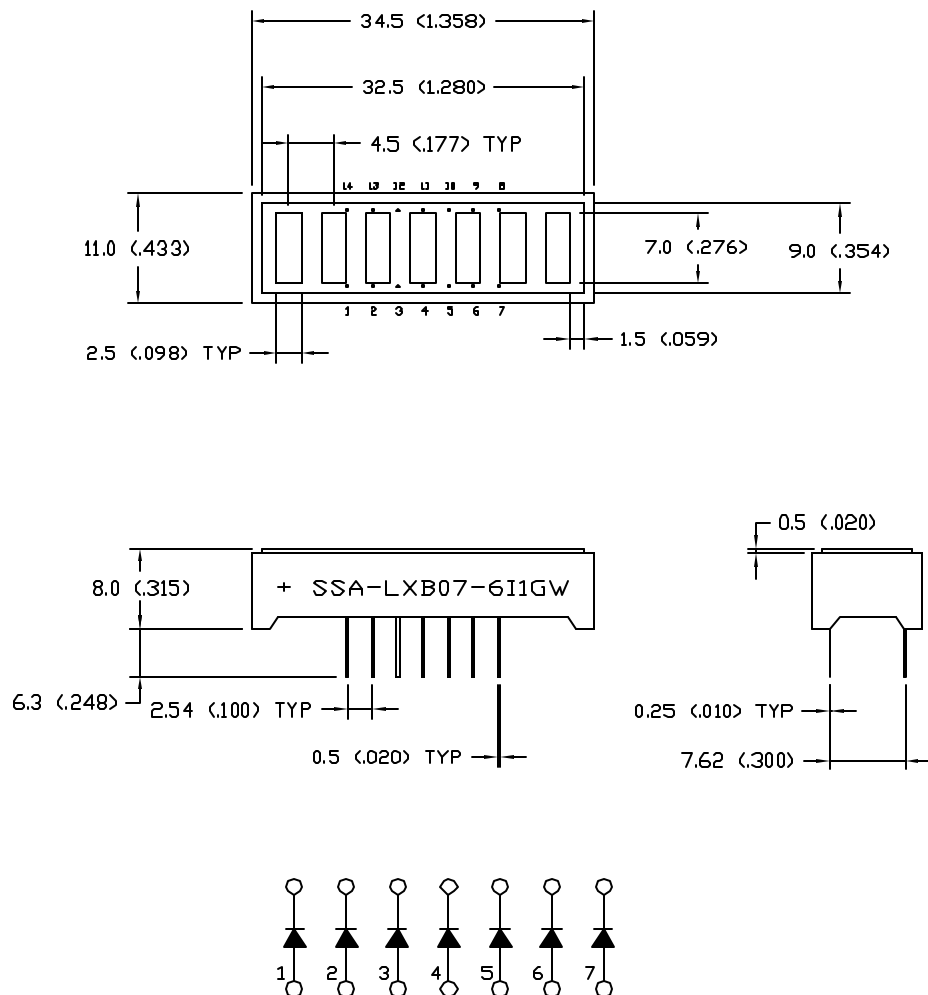
Ⓐ LIMITS OF SAFE OPERATION OF EACH ELEMENT AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION PER LED	105	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^{\circ}\text{C}$
LEAD SOLDERING TEMP	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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.



NOTES

- MARK ANODE SIDE OF ARRAY WITH A (+) AND MARK PIECES WITH PART NUMBER.

LUMEX
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DATE: 2-2-94	DWN:	CHK'D:	APPD:
SCALE: N/A			

7 ELEMENT CHIPS ON BOARD ARRAY 6 RED/1 GREEN

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