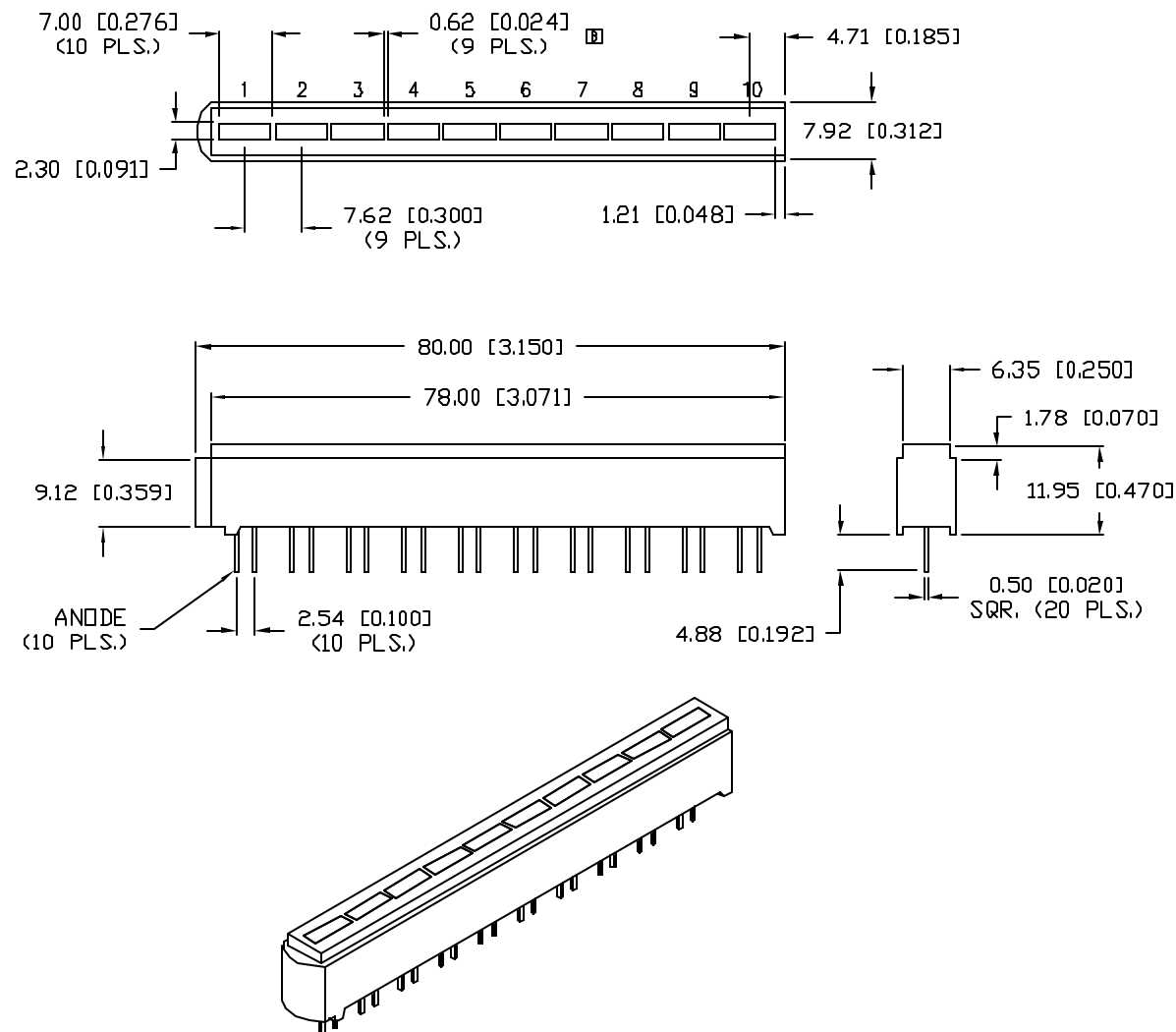


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PART NUMBER		REV.
SSA-LXB1027-3I7GD		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10233 & #10112 & #10113.	8.27.96
B	E.C.N. #10702	1.10.01

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

PARAMETER	GREEN	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	635	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.0	$V_f$	
FORWARD VOLTAGE (MAX.)	2.6	2.5	$V_f$	
REVERSE VOLTAGE	5.0	5.0	$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY	12	15	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	80	80	$2\theta$ theta	
LED POSITION:	4-10	1-3		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/R)	25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM $25^\circ\text{C}$		-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:

- HOLDER COLOR: BLACK.
- SORT GREEN LEDS FOR INTENSITY PER SPP 0203.

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\*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 MAX.= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER
B	SSA-LXB1027-3I7GD

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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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LED ARRAY, 10 UNIT 2.5mm x 7mm RECTANGULAR LEDS.

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CT			8.21.92
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