



We Tame Photons to Work for You!



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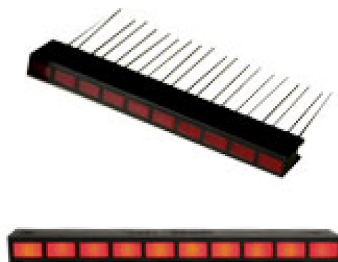
Products > LED Indicators > LED Arrays > Assembled > Rectangular LEDs > 10 Segment

### Features / Options

- ▶ Pre-Sorted LEDs for Color & Brightness Uniformity
- ▶ Easy Installation Over Using Individual LEDs
- ▶ Choice of Colors and Color Combinations
- ▶ Black or Gray Holders for High Contrast
- ▶ Available with Internal Resistor for 5v and 12v Operation

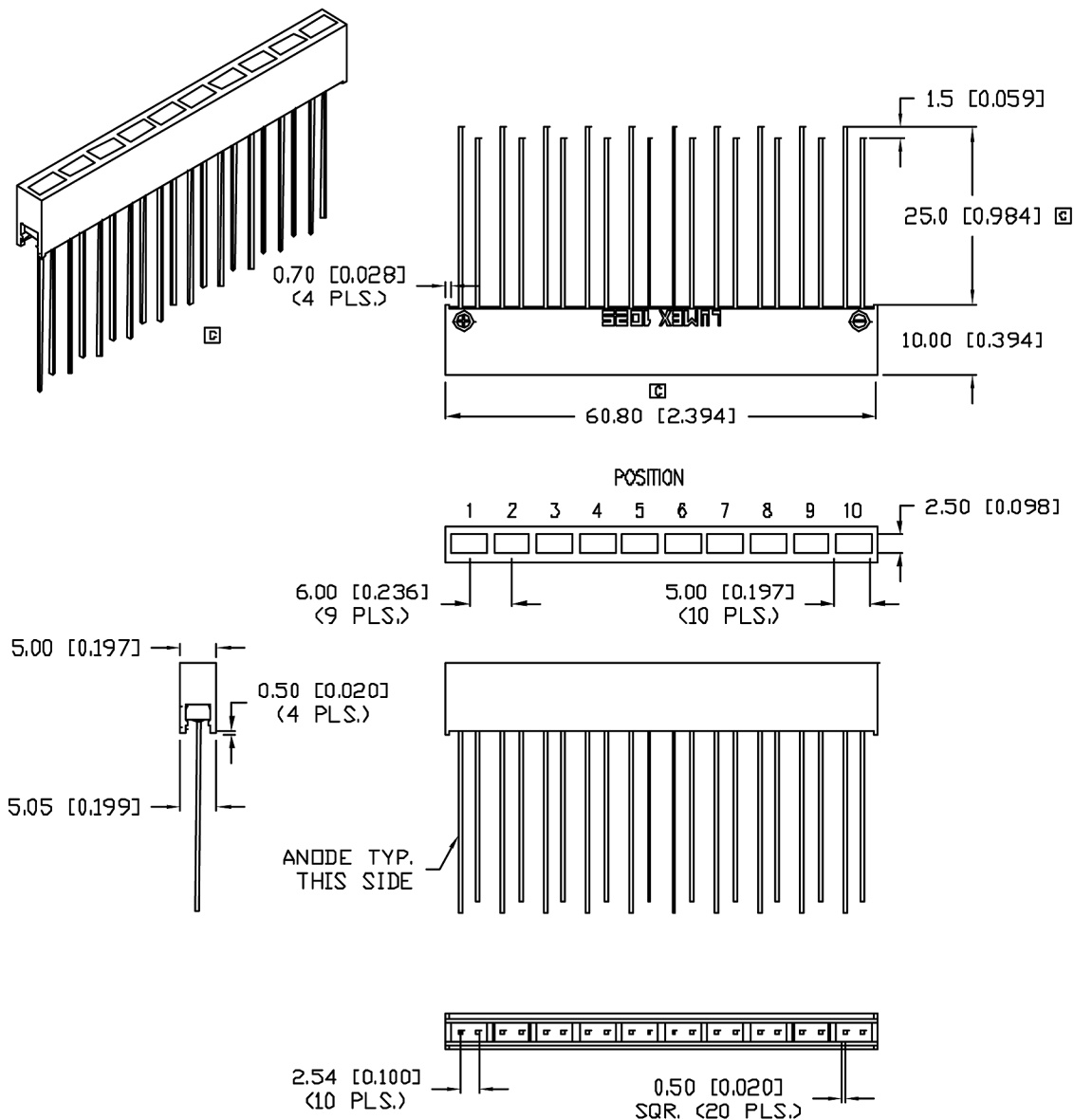
### Applications / Uses

- ▶ Level, VU, Power Indicators
- ▶ Ladder or Range Annunciator
- ▶ Professional Audio Equipment
- ▶ Power Stations, Power Level Indicators
- ▶ Medical Diagnostics, Test Equipment
- ▶ Industrial Control Panels



Part Number:	Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSA-LXH1025GD	STANDARD	GaP	Green	565	10	110	2.2
SSA-LXH1025ID	STANDARD	GaAsP	Red	635	10	110	2.0
SSA-LXH1025SID	HIGH	AlInGaP	Red	636	200	110	2.0
SSA-LXH1025SOD	HIGH	AlInGaP	Orange	610	200	110	2.0
SSA-LXH1025SRD	STANDARD	GaAlAs	Red	660	50	110	1.7
SSA-LXH1025SUGD	HIGH	AlInGaP	Green	574	50	110	2.2
SSA-LXH1025SYD	HIGH	AlInGaP	Yellow	590	100	110	2.0
SSA-LXH1025USB	HIGH	InGaN	Blue	470	60	110	3.5
SSA-LXH1025YD	STANDARD	GaAsP	Yellow	585	10	110	2.1

UNCONTROLLED DOCUMENT



REV. SC:1	PART NUMBER	REV. C
SSA-LXH1025ID		
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10149.	5.8.96
B	E.C.N. #10BRDR.	2.21.00
C	E.C.N. #10646.	7.21.00

UNDER REVISION

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100 $\mu$ A
AXIAL INTENSITY		10		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	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:

- SSH-LXH1025 HOLDER. MATERIAL.: BLACK NYLON, UL V94-0.
- SSL-LX25583ID, RED LED (10 PCS.), UN CUT LEADS.

UNCONTROLLED DOCUMENT

\*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= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION, MAX= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION

REV. C	PART NUMBER
	SSA-LXH1025ID

10 UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LEADS,  
635nm RED LEADS, RED DIFFUSED, UN CUT LEADS.

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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.

