



We Tame Photons to Work for You!



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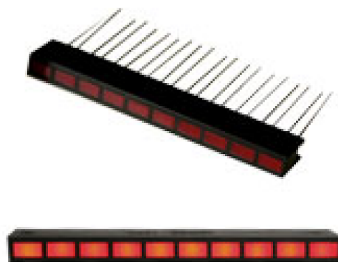
Products > LED Indicators > LED Arrays > Assembled > Rectangular LEDs > 10 Segment

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

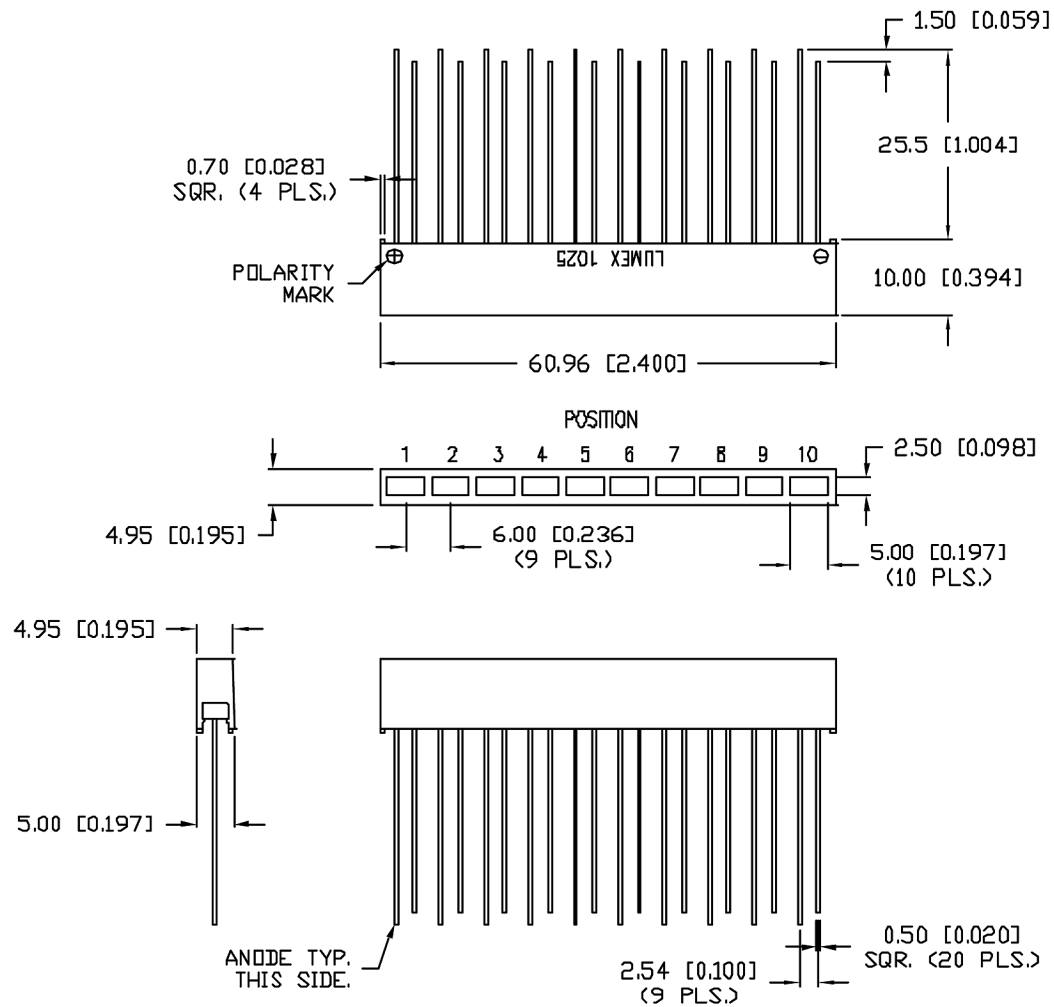
- ▶ Level, VU, Power Indicators
- ▶ Ladder or Range Annunicator
- ▶ Professional Audio Equipment
- ▶ Power Stations, Power Level Indicators
- ▶ Medical Diagnostics, Test Equipment
- ▶ Industrial Control Panels



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

PART NUMBER		REV.
SSA-LXH1025YD		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SPECS.	11-29-94
B	E.C.N. #10BRDR. & REDRAWN.	2-21-00



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		10		mcad	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW 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/ $^\circ\text{C}$
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:

- SSH-LXH1025, BLACK HOLDER.
- SSL-LX25583YD, YELLOW LED. (10 PCS.)
- SORT LEDS PER INTENSITY.
- ALL UNITS ARE 100% LIT FOR COLOR & INTENSITY MATCHING.

UNCONTROLLED DOCUMENT

*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), LEAD LENGTH=±0.75 (±0.030), MIN=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.	PART NUMBER
B	SSA-LXH1025YD

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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.



TEN UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LEDS,
 TEN 585nm YELLOW LEDS, YELLOW DIFFUSED EPOXY.