



We Tame Photons to Work for You!



Products

Search Tools

Solutions

Literature

Tech Notes

Support

Corporate

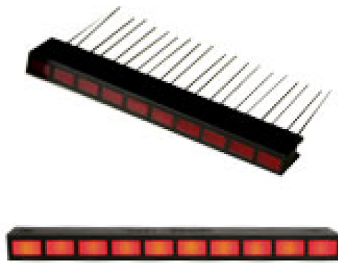
Products > LED Indicators > LED Arrays > Assembled > Rectangular LEDs > 10 Segment

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



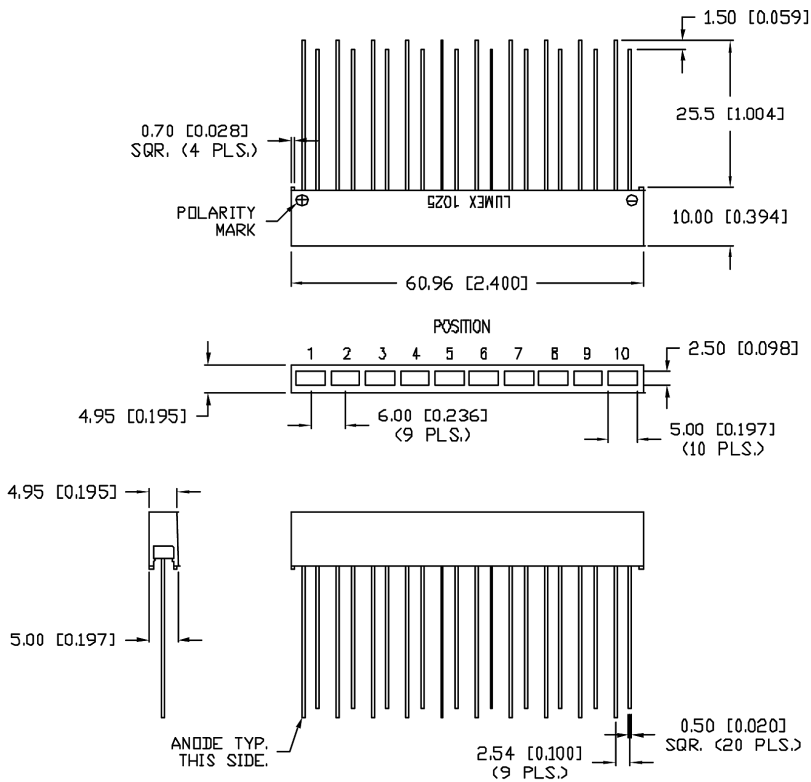
Part Number:	Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSA-LXH1025GD	STANDARD	GaP	Green	565	10	110	2.2
SSA-LXH1025ID	STANDARD	GaAsP	Red	635	10	110	2.0
SSA-LXH1025SID	HIGH	AlInGaP	Red	636	200	110	2.0
SSA-LXH1025SOD	HIGH	AlInGaP	Orange	610	200	110	2.0
SSA-LXH1025SRD	STANDARD	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

PART NUMBER
SSA-LXH1025GD

REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	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		565		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		$2x$ theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	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-LX255B3GD, GREEN LED. (10 PCS.)
- SORT LEADS PER INTENSITY.

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. A	PART NUMBER SSA-LXH1025GD
TEN UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LEADS, TEN 565nm GREEN LEADS, GREEN DIFFUSED EPOXY.	

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.



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.