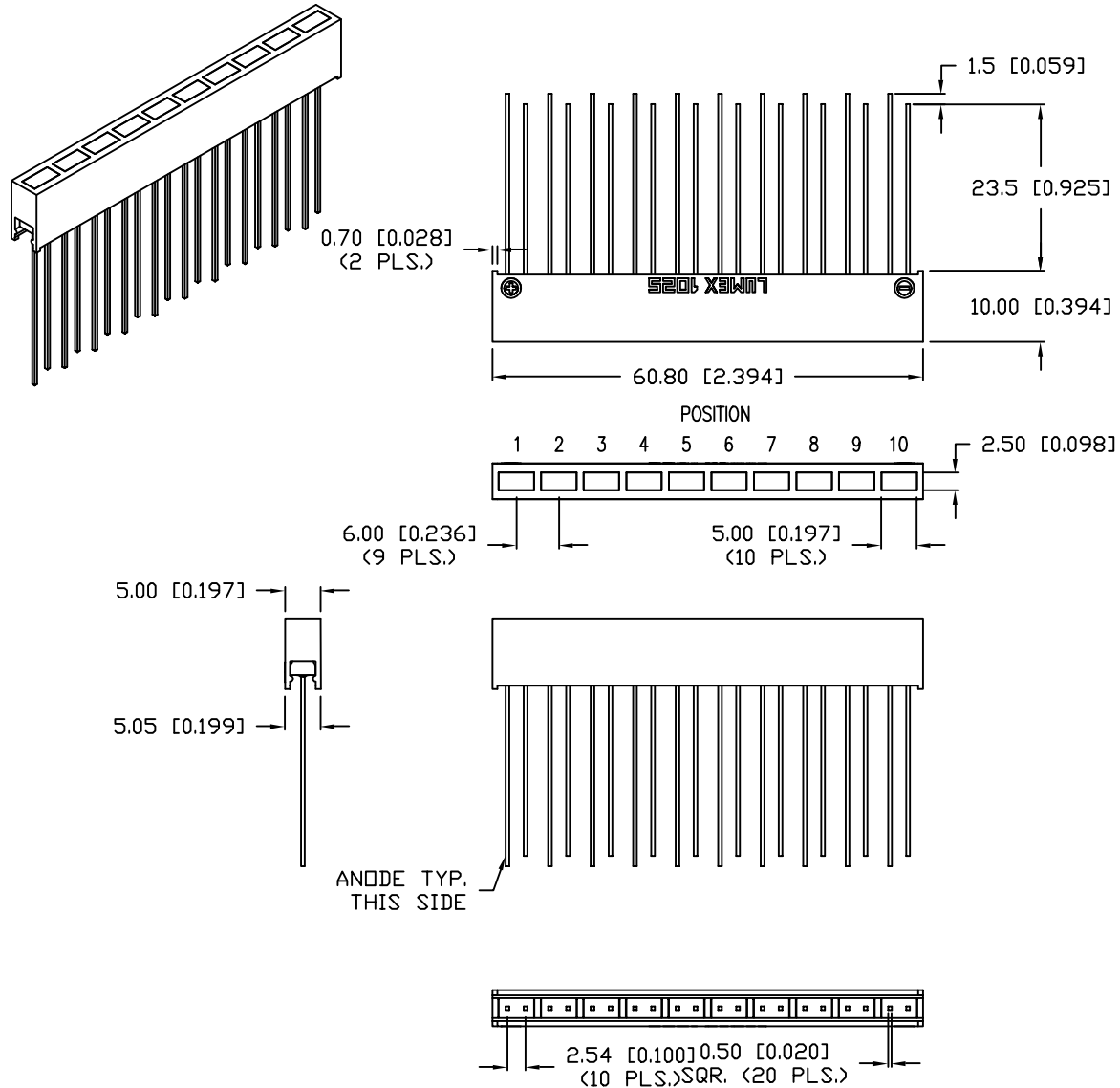


UNCONTROLLED DOCUMENT

PART NUMBER
SSA-LXH1025G5Y2I3D

REV.



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

| PARAMETER | GREEN | YELLOW | RED | UNITS | TEST COND |
|---|-------|--------|------|----------|----------------------|
| PEAK WAVELENGTH | 565 | 585 | 635 | nm | |
| FORWARD VOLTAGE (TYP.) | 2.2 | 2.1 | 2.0 | V_f | |
| FORWARD VOLTAGE (MAX.) | 2.6 | 2.5 | 2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | 5.0 | 5.0 | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | 10 | 10 | 15 | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | 110 | 110 | 110 | 2x theta | |
| LED POSITION: | 1~5 | 6~7 | 8~10 | | |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR | | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER LED

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------|---------|------------|------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | (G/Y/R) | 25/30/30 | 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, BLACK NYLON HOLDER, UL 94V-0.
- SSL-LX25583GD, GREEN LED. (5 PCS.)
- SSL-LX25583YD, YELLOW LED. (2 PCS.)
- SSL-LX25583ID, RED LED. (3 PCS.)
- SORT LEDS FOR MATCHED INTENSITY PER SPP 0202 (GREEN) AND SSP 0301 (YELLOW).

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= -0.00, MAX= +0.00, -DECIMAL PRECISION, +DECIMAL PRECISION

REV. PART NUMBER
SSA-LXH1025G5Y2I3D

10 UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LEDS,
POS. 1~5: GREEN, POS. 6~7: YELLOW,
POS. 8~10: RED, DIFFUSED PER POSITION, UNCUT 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.

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