| UNCONTROLLED DOCUMENT | PART NUM | IBER | REV. |
|--|--|--|--|
| | SSL-LX509 | 3YD-125 | С |
| | REV. E.C.N. NUMBER AND REV. | | DATE |
| | A REDRAWN, UPDTAED SPE | | 1.18.95 |
| | E E.C.N. #10BRDR. & RED | | 5.25.01 |
| | C E.C.N. #11148 | | 10.30.06 |
| ø5.90 [ø0.232] — ø5.00 [ø0.197] | | | |
| | | | |
| | ELECTRO-OPTICAL CHARACTERISTICS $T_A=25$ | 5°C If=20mA | |
| | PARAMETER MIN TYP | | ST COND |
| | PEAK WAVELENGTH 585 | nm | |
| | FORWARD VOLTAGE 2.1 | 2.5 V _f | |
| | REVERSE VOLTAGE 5.0 AXIAL INTENSITY 30 | | =100µА = 20mA |
| 8.60 [0.339] | VIEWING ANGLE 60 | 2x theta | - 20114 |
| | EMITTED COLOR: YELLOW | | |
| | EPOXY LENS FINISH: YELLOW DIFFUSED | | |
| | | | |
| | | | |
| $ - \frac{1.20 \text{ [C0.047]}}{(2 \text{ PLS.})}$ | | | |
| | | | |
| | | | |
| | LIMITS OF SAFE OPERATION AT 25°C | | |
| 27.00 [1.063] | PARAMETER | | |
| | PARAMETER PEAK FORWARD CURRENT* | 150 | mA |
| 27.00 [1.063] | PARAMETER | 150 <i>3</i> 0 105 | |
| | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C | 150 30 105 - 1.2 r | mA mA mW πW/"C |
| | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – | 150 30 105 - 1.2 r 40 T0 + 85 | mA mA mW πW/*C *C |
| | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. | 150 30 105 - 1.2 40 TO + 85 + 260 | mA mA m₩ π₩/*℃ °C °C |
| ANDDE - 1.50 (0.059) | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – | 150 30 105 - 1.2 40 TO + 85 + 260 | mA mA mW πW/*C *C |
| ANDDE - 1.50 [0.059] | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY | 150 30 105 - 1.2 40 TO + 85 + 260 | mA mA m₩ π₩/*℃ °C °C |
| ANDDE - 1.50 (0.059) | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY | 150 30 105 - 1.2 40 TO + 85 + 260 | mA mA mW πW/°C °C °C <u>°C</u> . MAX |
| ANDDE - 1.50 [0.059] | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY | 150 30 105 - 1.2 40 TO + 85 + 260 | mA mA mW τW/*C *C *C 5C. MAX |
| ANDDE - 1.50 [0.059] | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY | 150 30 105 - 1.2 40 TO + 85 + 260 | mA mA mW πW/°C °C °C <u>°C</u> . MAX |
| ANDDE - 1.50 (0.059) 0.50 (0.020) SQR. (2 PLS.) - 2.54 (0.100) | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY * t<10,5 | 150 30 105 -1.2 r 40 TO + 85 + 260 3 SE | mA mA mW nW/°C °C °C °C °C °C °C °C °C °C °C °C °C ° |
| ANDDE - 1.50 (0.059) 0.50 (0.020) SQR. (2 PLS.) - 2.54 (0.100) | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY * t<10,5 | 150 30 105 -1.2 r 40 TO + 85 + 260 3 SE | mA mA mW nW/°C °C °C °C °C °C °C °C °C °C °C °C °C ° |
| ANDDE 1.50 [0.059] 0.50 [0.020] SQR. (2 PLS.) - 2.54 [0.100] | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY * t<10µS UNCONTROL 0.0005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.0030). 290 | 150 30 105 -1.2 r 40 TO + 85 + 260 3 SE / / / / / / / / / / / / / / / / / / / | mA mA mW nW/°C °C °C °C °C °C °C °C °C °C °C °C °C ° |
| ANIDE Image: 1.50 [0.059] 0.50 [0.020] Image: 1.50 [0.059] 0.50 [0.020] Image: 1.50 [0.00] *UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XX0X=±0.127 (±0.010) REV. PART NUMBER THE INFORMATION CONTINED IN THE DOCUMENT IS THE PROPERTY | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY * t<10,5 UNCONTROL 0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). ERTY OF BY LIMPY PALAA PHON | 150 30 105 -1.2 r 40 T0 + 85 + 260 3 SE <u>2 ED DOCU</u> MN= <u>+0ECMAL PRECEDEN MAX.</u> E. HELEN ROAD TINE, IL 60067-69 NE; +1.847.359.2790 | mA mA mW mW/°C °C °C °C °C °C °C °C °C °C °C °C °C ° |
| ANDE - 1.50 [0.059] 0.50 [0.020] SQR. (2 PLS.) - 2.54 [0.100] *UNLESS OTHERWISE SPECIFIC TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.39), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXX=±0.127 (±0.010), XXX=\pm0.127 (±0.010), XXX=\pm0.127 (±0.0 | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY * t<10,JS UNCONTROL 0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). ERITY OF BY LUNEX WATION | 150 30 105 -1.2 r 40 T0 + 85 + 260 <u>3 SE</u> <u>40 NN + 106CM</u> <u>5 MN + 106CM}</u> <u>5 MN + 106CM}</u> <u>5 MN + 106CM} <u>5 MN + 106CM}</u> <u>5 MN + 106CM} <u>5 MN + 106CM}</u> <u>5 MN + 106CM} <u>5 MN</u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u> | mA mA mW mW/°C °C °C <u>°C</u> <u>°C</u> <u>°C</u> <u>°C</u> <u>°C</u> <u>°C</u> <u></u> |
| $\frac{ANDE}{C} = \frac{1}{10000000000000000000000000000000000$ | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY * t<10,JS UNCONTROL 0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). ERTY OF BY LUNEX WHOLE OR PARTIES. DRAWN BY: CHECKED BY: 4 | 150 30 105 -1.2 r 40 T0 + 85 + 260 3 SE <u>2 ED</u> <u>2000</u> MN= <u>+0ECMAL</u> <u>PRECEDEN</u> <u>MAX.=</u> E. HELEN ROAD TINE, IL 60067-69 NE: +1.847.359.2790 VEB: www.lumex.com VEB: www.lumex.com | mA mA mW mW/°C °C °C °C °C °C °C °C °C °C °C °C °C ° |
| ANDDE - 1.50 [0.059] 0.50 [0.020] SDR. (2 PLS.) - 2.54 [0.100] *UNLESS OTHERWISE SPECIFIC TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXX=±0.127 (±0 REV. PART NUMBER C SSL-LX5093YD-125 IN WAT NO. DECIMINATION OF AS PECIFICAL MATCH AND SHALL MORE IN WITH NE IN CONTAINED IN THE PROPERTIES AND IN THE DECISION WITH AS PECIFICAL MATCH AND SHALL MORE IN WITH NE IN CONTAINED HEREN CONTINUENT SHALL KEEP ALL MATCH | PARAMETER PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25'C OPERATING, STORAGE TEMP. – SOLDERING TEMP. 2.0mm FROM BODY * t<10,JS UNCONTROL 0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). ERTY OF BY LUNEX WATION WALLE OR PARTIES. DRAWN BY: CHECKED BY: 4 | 150 30 105 -1.2 r 40 T0 + 85 + 260 <u>3 SE</u> <u>40 NN + 106CM</u> <u>5 MN + 106CM}</u> <u>5 MN + 106CM}</u> <u>5 MN + 106CM} <u>5 MN + 106CM}</u> <u>5 MN + 106CM} <u>5 MN + 106CM}</u> <u>5 MN + 106CM} <u>5 MN</u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u> | mA mA mW mW/°C °C °C <u>°C</u> <u>°C</u> <u>°C</u> <u>°C</u> <u>°C</u> <u>°C</u> <u></u> |

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