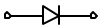
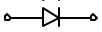


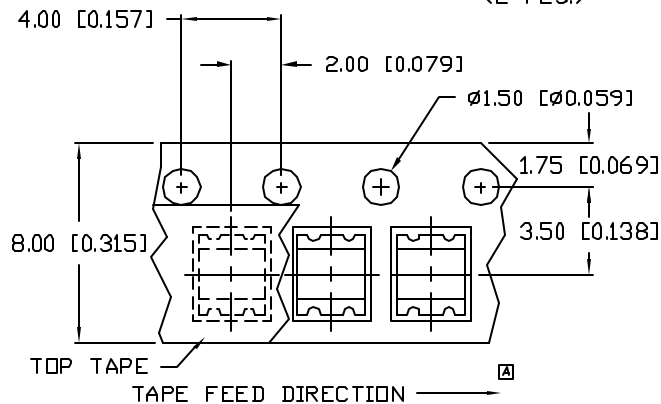
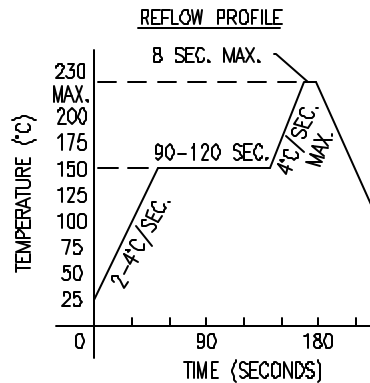
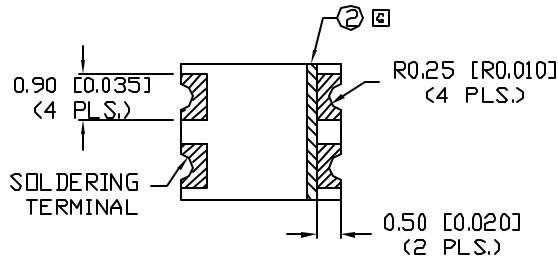
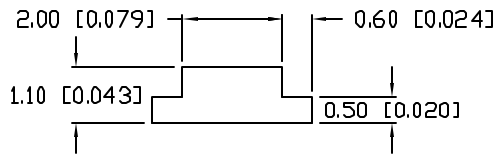
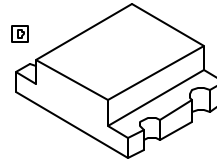
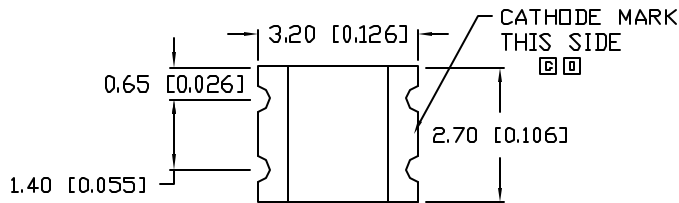


**THE DATASHEET OF  
SML-LX1210YGC-TR**

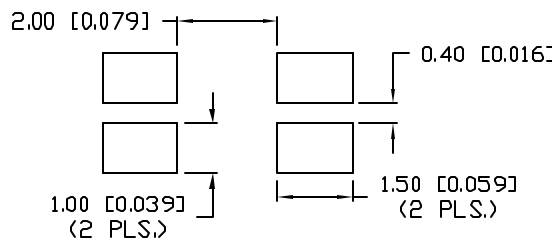


UNCONTROLLED DOCUMENT

GREEN   
 YELLOW 



RECOMMENDED SOLDER PAD LAYOUT



|                  |                                      |         |
|------------------|--------------------------------------|---------|
| PART NUMBER      |                                      | REV.    |
| SML-LX1210YGC-TR |                                      | G       |
| REV.             | E.C.N. NUMBER AND REVISION COMMENTS  | DATE    |
| A                | ADDED TAPE W/POLARITY AND DIRECTION. | 11.6.95 |
| B                | E.C.N. #10324.                       | 3.17.97 |
| C                | E.C.N. #10404, & #10BRDR & REDRAWN.  | 5.22.98 |
| D                | E.C.N. #10695                        | 1.4.01  |
| E                | E.C.N. #10834.                       | 1.24.02 |
| F                | E.C.N. #10972.                       | 3.25.03 |
| G                | E.C.N. #11014.                       | 7.11.03 |

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA

| PARAMETER             | MIN          | TYP          | MAX     | UNITS    | TEST COND |
|-----------------------|--------------|--------------|---------|----------|-----------|
| PEAK WAVELENGTH       |              | 585 (YELLOW) |         | nm       |           |
|                       |              | 565 (GREEN)  |         | nm       |           |
| FORWARD VOLTAGE (Y/G) |              | 2.1/2.2      | 2.5/2.6 | Vf       |           |
| REVERSE VOLTAGE       | 5.0          |              |         | Vr       | If=100µA  |
| AXIAL INTENSITY       |              | 10           |         | mcd      | If=20mA   |
| VIEWING ANGLE         |              | 160          |         | 2x theta |           |
| EMITTED COLOR:        | YELLOW/GREEN |              |         |          |           |
| EPOXY LENS FINISH:    | WATER CLEAR  |              |         |          |           |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | COLORS | MAX        | UNITS |
|-----------------------|--------|------------|-------|
| PEAK FORWARD CURRENT* |        | 150        | mA    |
| STEADY CURRENT        |        | 25         | mA    |
| POWER DISSIPATION     |        | 65         | mW    |
| DERATE FROM 25°C      |        | -1.2       | mW/°C |
| OPERATING TEMP.       |        | -25 TO +85 | °C    |
| STORAGE TEMP.         |        | -30 TO +85 | °C    |

\* t < 10µs

NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. LOCATION FOR CATHODE MARK CAN BE EITHER ON THE TOP OR BOTTOM OF THE PART.

**CAUTION: MOISTURE SENSITIVE DEVICE**  
 PER JEDEC LEVEL 4 STANDARDS

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\*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=-0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

|      |                  |
|------|------------------|
| REV. | PART NUMBER      |
| G    | SML-LX1210YGC-TR |

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 TW WEB: www.lumex.com.tw

2.7mm x 3.2mm P.C.B. SURFACE MOUNT LED,  
 DUAL YELLOW/GREEN CHIPS, WATER CLEAR LENS,  
 TAPE AND REEL, 2,000 PEICES PER REEL.

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.

|           |             |              |              |
|-----------|-------------|--------------|--------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE:        |
| gt        |             |              | 6.21.95      |
|           |             |              | PAGE: 1 OF 1 |
|           |             |              | SCALE: N/A   |

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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- ⊖ [Lumex Opto/Components Inc. Information](#)

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- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management