



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



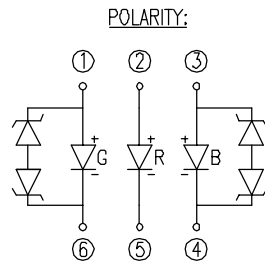
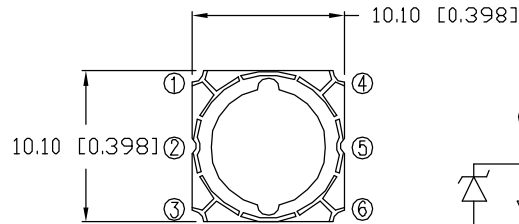
Contact us

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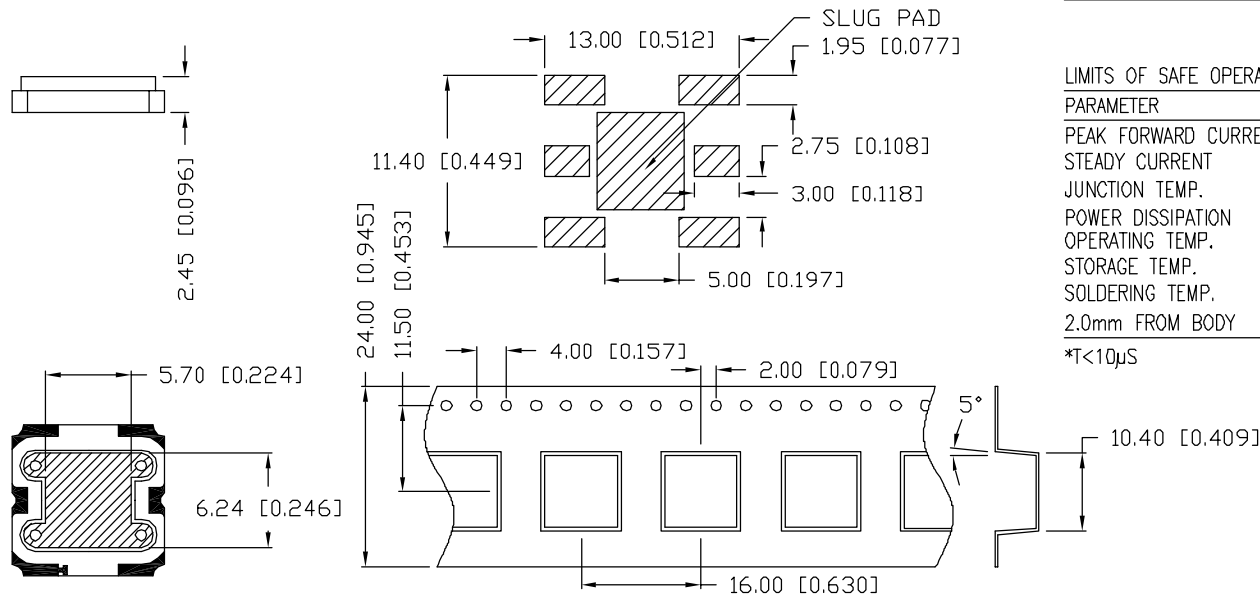
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





PAD LAYOUT:



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---------------------|----------------|-------------|------|----------|----------------------|
| PEAK WAVELENGTH | | 626 (RED) | | nm | |
| | | 525 (GREEN) | | nm | |
| | | 470 (BLUE) | | nm | |
| FORWARD VOLTAGE (R) | | 2.1 | 2.65 | V_f | $I_f=350\text{mA}$ |
| | (G) | 3.5 | 3.85 | V_f | $I_f=350\text{mA}$ |
| | (B) | 3.5 | 3.85 | V_f | $I_f=350\text{mA}$ |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| TOTAL FLUX (R/G/B) | | 25/35/8 | | lm | |
| VIEWING ANGLE | | 130 | | 2x theta | |
| EMITTED COLOR: | RED/GREEN/BLUE | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | COLORS | MAX | UNITS |
|-----------------------|---------|-------------|------------------|
| PEAK FORWARD CURRENT* | (R/G/B) | 550/500/500 | mA |
| STEADY CURRENT | | 350 | mA |
| JUNCTION TEMP. | | 125 | $^\circ\text{C}$ |
| POWER DISSIPATION | | 5.0 | W |
| OPERATING TEMP. | | -40 TO +85 | $^\circ\text{C}$ |
| STORAGE TEMP. | | -40 TO +100 | $^\circ\text{C}$ |
| SOLDERING TEMP. | | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | | 3 SEC. MAX |

* $T < 10\mu\text{s}$

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS



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

REV.

PART NUMBER

SML-LX3939RGBC-TR

10.10mm SQUARE 3 WATT HIGH POWER SMT LED,
R/G/B LED, WATER CLEAR LENS, 250 PER PEEL.

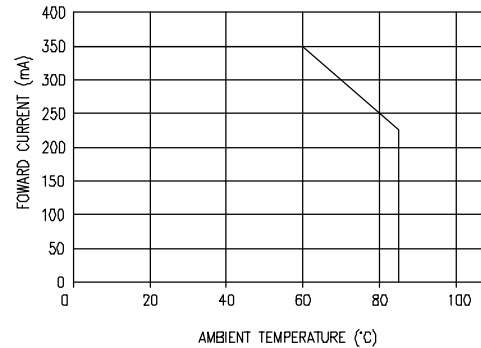
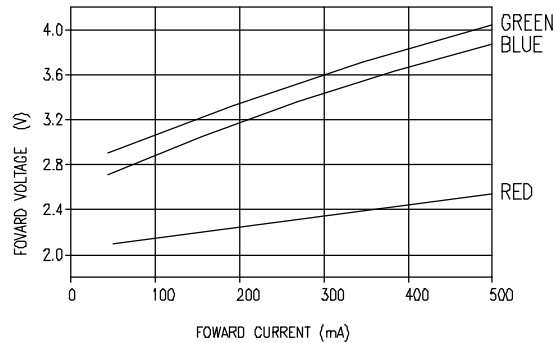
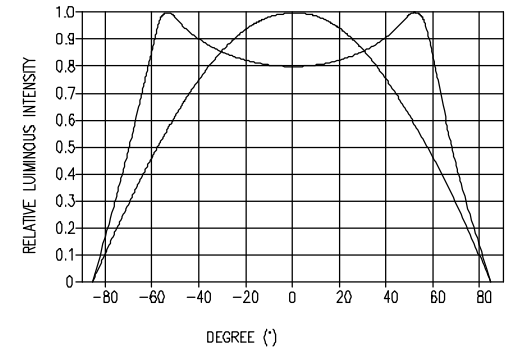
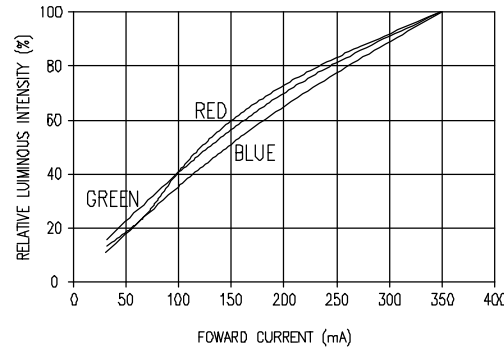
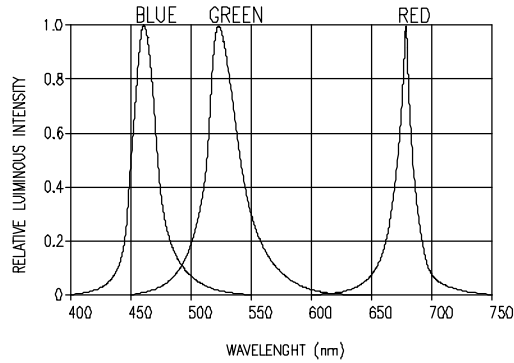
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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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| DRAWN BY: JN | CHECKED BY: | APPROVED BY: | DATE: 04.09.09 |
| | | | PAGE: 1 OF 2 |
| | | | SCALE: N/A |



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UNCONTROLLED DOCUMENT

REV.

PART NUMBER

SML-LX3939RGBC-TR

10.10mm SQUARE 5 WATT HIGH POWER SMT LED,
WHITE LED, WATER CLEAR LENS.

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PAGE: 2 OF 2

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