
**CCL-LX253XXC SERIES**
**DUAL CHIP CERAMIC SMD LEDS**
**FEATURES**

- True SMD Quality
- Dual Chip Circuit
- Bi-Color Option

**APPLICATIONS**

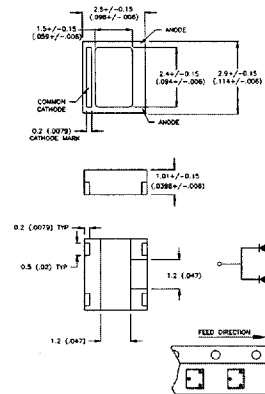
- Fault Indicators
- Status Indicators
- Back Lighting

**OPTIONS AVAILABLE**

- Packaged in 8mm Tape
- (3000 Pcs/Reel)
- Bi-Color, Bi-Polar

| LUMEX PART NBR          | EMITTED COLOR |         | EPOXY LENS COLOR | BRIGHTNESS |       | VIEW ANGLE | Vf @ 20mA |     |
|-------------------------|---------------|---------|------------------|------------|-------|------------|-----------|-----|
|                         | PEAK(nm)      |         |                  | TYP.(mcd.) | I(mA) |            | TYP.      | MAX |
| CCL-LX253GGC            | GREEN         | 565     | WATER CLEAR      | 20         | 20    | 90         | 2.1       | 2.8 |
| CCL-LX253IIC            | RED           | 635     | WATER CLEAR      | 20         | 20    | 90         | 2.1       | 2.8 |
| CCL-LX253SRSC           | RED           | 660     | WATER CLEAR      | 70         | 20    | 90         | 1.7       | 2.1 |
| CCL-LX253YYC            | YELLOW        | 585     | WATER CLEAR      | 20         | 20    | 90         | 2.1       | 2.8 |
| <b>BI-COLOR OPTIONS</b> |               |         |                  |            |       |            |           |     |
| CCL-LX253IGC            | RED/GREEN     | 635/565 | WATER CLEAR      | 20/20      | 20    | 90         | 2.1       | 2.8 |
| CCL-LX253YGC            | YELLOW/GREEN  | 585/565 | WATER CLEAR      | 20/20      | 20    | 90         | 2.1       | 2.8 |

See page 8-14 for Max. operating limits and operating curves

**DIMENSIONS (mm/inch) ±.2mm**

**SSF-LXH305 SERIES**
**T-3 SURFACE MOUNT PCB LED**
**FEATURES**

- SMD Package
- Low Cost SMD Led
- Five Colors

**APPLICATIONS**

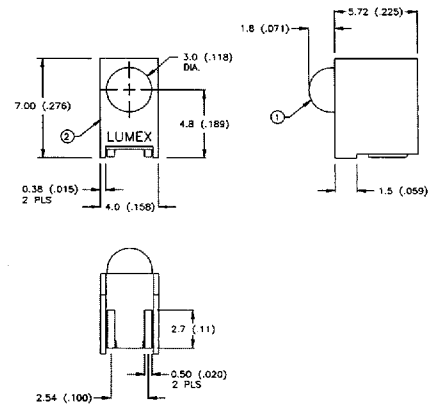
- Fault Indicator
- Status Indicator
- Go-No Indicator

**MATERIAL SPECIFICATIONS**

- Holder: High Temperatures Thermo Plastics
- Tin Dipped 0.5mm Horizontal Leads
- Soldering: Supports IR Reflow Soldering

| LUMEX PART NBR               | EMITTED COLOR |     | OPERATING CURRENT (mA) | OPERATING TYP Volts (V) | BRIGHTNESS  |    | LED SERIES USED |
|------------------------------|---------------|-----|------------------------|-------------------------|-------------|----|-----------------|
|                              | PEAK(nm)      |     |                        |                         | TYP (mcd) @ | mA |                 |
| SSF-LXH305AD                 | AMBER         | 610 | 10-25                  | 2.1                     | 10          | 20 | SSF-LX305F4XX   |
| SSF-LXH305AT                 | AMBER         | 610 | 10-25                  | 2.1                     | 30          | 20 | SSF-LX305F4XX   |
| SSF-LXH305GD                 | GREEN         | 565 | 10-25                  | 2.1                     | 10          | 20 | SSF-LX305F4XX   |
| SSF-LXH305GT                 | GREEN         | 565 | 10-25                  | 2.1                     | 30          | 20 | SSF-LX305F4XX   |
| SSF-LXH305ID                 | RED           | 635 | 10-25                  | 2.1                     | 15          | 20 | SSF-LX305F4XX   |
| SSF-LXH305IT                 | RED           | 635 | 10-25                  | 2.1                     | 45          | 20 | SSF-LX305F4XX   |
| SSF-LXH305SRD                | RED           | 660 | 10-25                  | 1.7                     | 70          | 20 | SSF-LX305F4XX   |
| SSF-LXH305SRT                | RED           | 660 | 10-25                  | 1.7                     | 180         | 20 | SSF-LX305F4XX   |
| SSF-LXH305SRC                | RED           | 660 | 10-25                  | 1.7                     | 200         | 20 | SSF-LX305F4XX   |
| SSF-LXH305YD                 | YELLOW        | 585 | 10-25                  | 2.1                     | 10          | 20 | SSF-LX305F4XX   |
| SSF-LXH305YT                 | YELLOW        | 585 | 10-25                  | 2.1                     | 30          | 20 | SSF-LX305F4XX   |
| <b>LOW CURRENT OPTIONS</b>   |               |     |                        |                         |             |    |                 |
| SSF-LXH305LGD                | GREEN         | 565 | 1-5                    | 1.8                     | 1.0 Min.    | 2  | SSF-LX305F4XX   |
| SSF-LXH305LID                | RED           | 635 | 1-5                    | 1.8                     | 1.0 Min.    | 2  | SSF-LX305F4XX   |
| SSF-LXH305LYD                | YELLOW        | 585 | 1-5                    | 1.8                     | 1.0 Min.    | 2  | SSF-LX305F4XX   |
| <b>FIXED VOLTAGE OPTIONS</b> |               |     |                        |                         |             |    |                 |
| SSF-LXH305GD-5V              | GREEN         | 565 | 8-16                   | 5.0                     | 10          | 20 | SSF-LX305F4XX   |
| SSF-LXH305ID-5V              | RED           | 635 | 8-16                   | 5.0                     | 10          | 20 | SSF-LX305F4XX   |

See pages 8-14 for Max. operating limits and operating curves

**DIMENSIONS (mm/inch) ±.2mm**

**SSL-LX406F3XX SERIES**
**T-4.7x6mm FLANGELESS LED LAMP**
**FEATURES**

- Four Color/Nine Lens Options
- Bi-Color Version
- Low Current Options
- Flangeless Package

**APPLICATIONS**

- Panel Indicators
- Status P.C. Mount Indicator
- Switches/Keyboards

**OPTIONS AVAILABLE**

- Add-on Spacers
- Add-on Leads
- Panel Mounting Hardware
- P.C. Mounting Options

| LUMEX PART NBR                                      | EMITTED COLOR |         | EPOXY LENS COLOR | BRIGHTNESS |       | VIEW ANGLE | Vf @ 20mA |     |
|-----------------------------------------------------|---------------|---------|------------------|------------|-------|------------|-----------|-----|
|                                                     | PEAK(nm)      |         |                  | TYP.(mcd.) | I(mA) |            | TYP.      | MAX |
| SSL-LX406F3ID                                       | RED           | 635     | RED DIFF.        | 15         | 20    | 80         | 2.0       | 2.8 |
| SSL-LX406F3IT                                       | RED           | 635     | RED TRANSP.      | 80         | 20    | 25         | 2.0       | 2.8 |
| SSL-LX406F3SRD                                      | RED           | 660     | RED DIFF.        | 70         | 20    | 80         | 1.7       | 2.2 |
| SSL-LX406F3SRT                                      | RED           | 660     | RED TRANSP.      | 200        | 20    | 25         | 1.7       | 2.2 |
| SSL-LX406F3GD                                       | GREEN         | 565     | GREEN DIFF.      | 15         | 20    | 80         | 2.1       | 2.8 |
| SSL-LX406F3GT                                       | GREEN         | 565     | GREEN TRANSP.    | 80         | 20    | 25         | 2.1       | 2.8 |
| SSL-LX406F3YD                                       | YELLOW        | 585     | YELLOW DIFF.     | 15         | 20    | 80         | 2.1       | 2.8 |
| SSL-LX406F3YT                                       | YELLOW        | 585     | YELLOW TRANSP.   | 80         | 20    | 25         | 2.1       | 2.8 |
| <b>BI-COLOR OPTIONS</b>                             |               |         |                  |            |       |            |           |     |
| SSL-LX406F3IGW                                      | RED/GREEN     | 635/565 | WHITE DIFF.      | 10/10      | 20/20 | 80         | 2.0       | 2.8 |
| <b>LOW CURRENT OPTIONS (OTHER COLORS AVAILABLE)</b> |               |         |                  |            |       |            |           |     |
| SSL-LX406F3LID                                      | RED           | 635     | RED DIFF.        | 1.5        | 2     | 80         | 1.9       | 2.7 |

See pages 8-14 for Max. operating limits and operating curves

**DIMENSIONS (mm/inch) ±.2mm**
