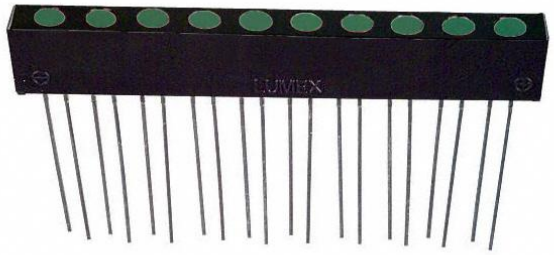
www.digi-electronics.com



# XB102GD Datasheet

| | |
|---|---|
| DiGi Electronics Part Number | SSA-LXB102GD-DG |
| Manufacturer | Lumex Opto/Components Inc. |
| Manufacturer Product Number | SSA-LXB102GD |
| Description | LED CBI 3MM 10-SEG GREEN VERT |
| Detailed Description | LED Circuit Board Indicator LED Circuit Board Indicator 10 Wide Green (x 10) Diffused, Tinted 2.21V 25mA Electrowith Flat Top 3.00mm Dia Through Hole |

https://www.DiGi-Electronics.com

This model SSA-LXB102GD is available at DiGi Electronics.

DiGi Electronics offers a global database of semiconductor and electronic component datasheets.

We welcome your inquiries regarding pricing, lead time, or other product-related questions.

Request a Quote

Datasheet Search

Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

## Purchase and inquiry

| Manufacturer Product Number: | Manufacturer: |
| --- | --- |
| SSA-LXB102GD | Lumex Opto/Components Inc. |
| Series: | Product Status: |
| - | Obsolete |
| Color: | Wavelength - Peak: |
| Green (x 10) | 565nm |
| Configuration: | Current: |
| 10 Wide | 25mA |
| Millicandela Rating: | Viewing Angle: |
| 8mcd | 80° |
| Lens Type: | Lens Style: |
| Diffused, Tinted | Round with Flat Top |
| Lens Size: | Voltage Rating: |
| 3.00mm Dia | 2.21V |
| Mounting Type: | |
| Through Hole | |

## Environmental & Export classification

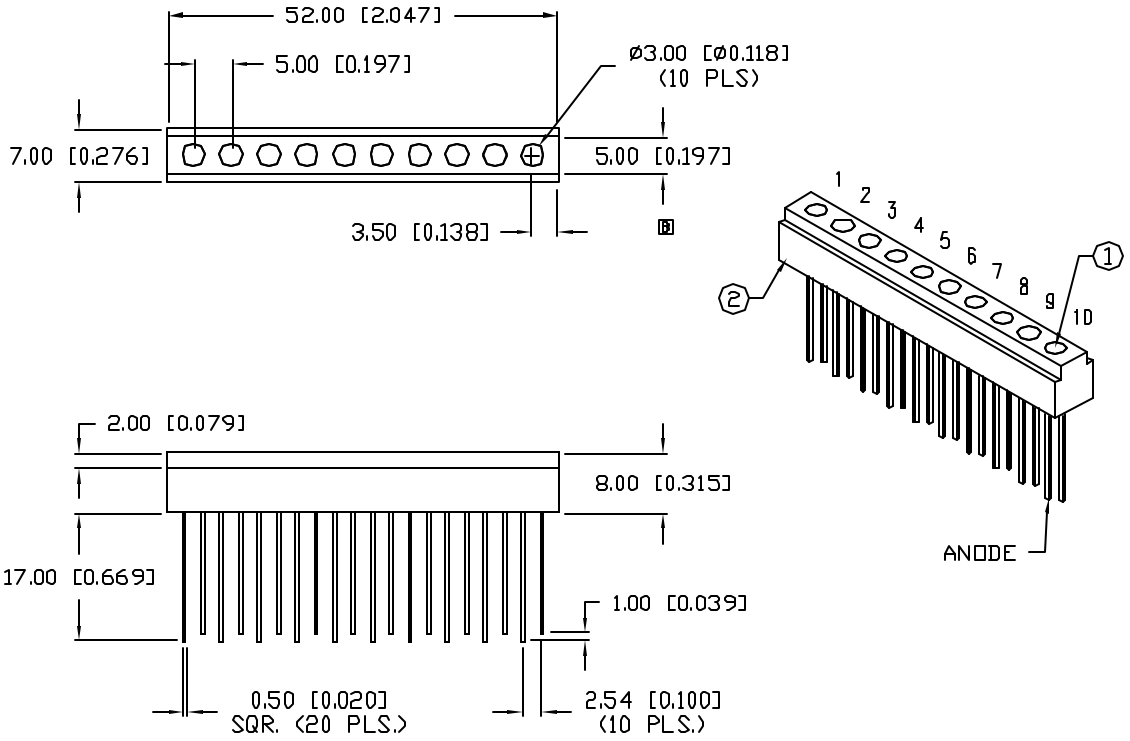
| RoHS Status: | Moisture Sensitivity Level (MSL): |
| --- | --- |
| ROHS3 Compliant | 1 (Unlimited) |
| REACH Status: | ECCN: |
| REACH Unaffected | EAR99 |
| HTSUS: | |

DiGi is a global authorized distributor of electronic components.

UNCONTROLLED DOCUMENT

| PART NUMBER | REV. |
|---|---|
| SSA-LXB102GD | C |

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|---|---|---|
| A | SAFE OPER SPECS & DWG. NAME. | 8.23.94 |
| B | UPDATED SPECS, ADDED NOTES. | 11.17.94 |
| C | E.C.N. #10BRDR. & REDRAWN. | 12.25.01 |




ELECTRO-OPTICAL CHARACTERISTICS $T_A$=25°C $I_f$=20mA

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---|---|---|---|---|---|
| PEAK WAVELENGTH | | 565 | | nm | |
| FORWARD VOLTAGE | | 2.1 | 2.8 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | $I_r$=100µA |
| AXIAL INTENSITY | | 8 | | mcd | $I_f$=20mA |
| VIEWING ANGLE | | 80 | | 2x theta | |
| EMITTED COLOR: | GREEN | | | | |
| EPOXY LENS FINISH: | GREEN DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER DIE

| | PARAMETER | MAX | UNITS |
|---|---|---|---|
| B | PEAK FORWARD CURRENT* | 150 | mA |
| B | STEADY CURRENT | 25 | mA |
| B | POWER DISSIPATION | 105 | mW |
| | DERATE FROM 25°C | -1.2 | mW/°C |
| A | OPERATING, STORAGE TEMP. | -40 TO +85 | °C |
| | SOLDERING TEMP. | +260 | °C |
| A | 2.0mm FROM BODY | | 3 SEC. MAX |

* t<10µS

NOTES:

1. SSL-LX30FT14GD, GREEN LED. (10 PCS.)
2. SSH-LXH102, BLACK HOLDER.
3. B USE U.V. GLUE TO HOLD LEDS IN PLACE.
4. B LEADS TO BE FREE OF GLUE.

UNCONTROLLED DOCUMENT

*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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

| REV. | PART NUMBER |
|---|---|
| C | SSA-LXB102GD |

T-3mm 10 LED FLAT TOP ARRAY,
565nm GREEN LEDS, GREEN DIFFUSED LENS.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

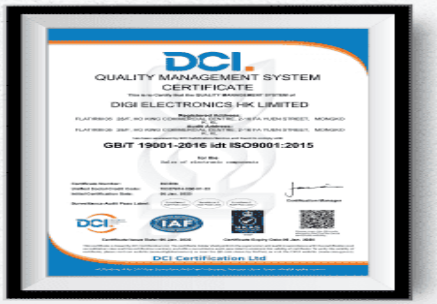
RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

LUMEX
290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw
B

| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 8.18.93 |
|---|---|---|---|
| CT | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |

# OUR CERTIFICATE

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement.  DiGi through third-party certification, we striciy control the quality of products and services. Welcome your RFQ to Email: Info@DiGi-Electronics.com








Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.