

●基板自立形 105°C品

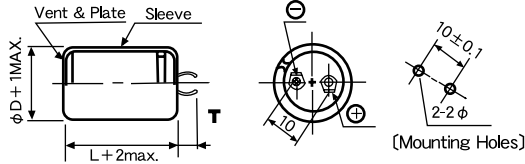
LGWA 系列

JIS C5101
CE-69

■特 征

- 基板自立型端子结构的大容量电解电容器、最高使用温度 105°C、3,000小时寿命品。
- 适用于一般电子设备及工业电子设备电源回路等。

■寸法图/DIAGRAM OF DIMENSIONS



●SNAP-IN TERMINAL TYPE 105°C USE

TYPE LGWA JIS C5101
CE-69

■FEATURES

- This product is a large capacitance electrolytic capacitor having a printed circuit board snap-in terminal structure and operates at the maximum operating temperature of 105°C. And, product of 3,000 hour guarantee.
- This product is most suitable for use in the power supply circuit, etc. for general electronic equipment and industrial equipment.

Unit : mm

| | |
|-----|-----------|
| φ D | 22~35 |
| T | 6.3 ± 1.0 |
| | 4.0 ± 1.0 |

■性 能/PERFORMANCE SPECIFICATIONS

| | | | | | | |
|---|--|--|---------|------|------|------|
| 工 作 温 度 范 围 | CATEGORY TEMPERATURE RANGE | -25°C ~ +105°C (200~450VDC) | | | | |
| 静 电 容 量 容 许 误 差 | STANDARD CAPACITANCE TOLERANCE | -20% ~ +20% (25°C, 120Hz) | | | | |
| 漏 电 流 (最 大 值) | LEAKAGE CURRENT (MAX. VALUE) | I=0.02CV OR 3mA WHICHEVER C=RATED CAPACITANCE(μF) IS THE SMALLER (at 25°C, after 5 minutes) V=WORKING VOLTAGE (V) | | | | |
| 损 失 角 的 正 切 (最 大 值) (25°C, 120Hz) | DISSIPATION FACTOR (MAX. VALUE) (25°C, 120Hz) | W.V. | 200 | 250 | 400 | 450 |
| | | tan δ | 0.15 | 0.15 | 0.15 | 0.15 |
| 耐 久 性 105°C 3000小时 加载额定电压 | ENDURANCE APPLICATION OF RATED OPERATING VOLTAGE, AT 105°C FOR 3000HOURS. | CAPACITANCE CHANGE : LESS THAN 20% OF THE INITIAL MEASURED VALUE. DISSIPATION FACTOR : LESS THAN 200% OF THE INITIAL SPECIFIED VALUE. LEAKAGE CURRENT : LESS THAN THE INITIAL SPECIFIED VALUE. | | | | |
| 低 温 特 性 阻 抗 比 最 大 值 (120Hz) (最 大 值) | LOW TEMPERATURE STABILITY RATIO OF IMPEDANCE AT COLD TO THAT AT 20°C, 120Hz. MAX. VALUE. | W.V. | 200~400 | 450 | | |
| | | Z -25°C / Z +20°C | 4 | 8 | | |
| 其他特性参考 JIS C51014 标准 | THE OTHER CHARACTERISTICS | THE OTHER CHARACTERISTICS ARE BASED ON JIS C 5101-4 | | | | |

■额定纹波电流修正系数

纹波频率与标准品一览表中的频率不同时，请参考下表中的修正系数。

When the ripple frequency differs from the specification shown in the list of standard products, multiply the value with the coefficient shown below, and use the products under the obtained value.

频率修正系数/FREQUENCY CORRECTION

| (Hz) | f | 50/60 | 120 | 1k | 10k | 100k |
|---------|---|-------|------|------|------|------|
| 200~250 | | 0.80 | 1.00 | 1.15 | 1.17 | 1.20 |
| 400~450 | | 0.70 | 1.00 | 1.10 | 1.12 | 1.15 |

■料号表示方法/HOW TO SPECIFY ITEM NUMBER FOR TYPE LGW

例 / Example

| | | | | | | |
|--|--|---|--|---|---|--|
| 250V 2E 额定电压 Rated Voltage | LGWA series LGWA 系列名 Series Name | 1200 μF 122 静电容量 Capacitance Symbol | ±20% M 容量容许差 Capacitance tolerance | 4.0 mm 6 端子长(T) Terminal length | φ 35 R 制品外径(φ D) Product diameter | 45L 45 制品长(L) Product length |
| 例 / Example | | | ±20%=M | 6.3mm=7 4.0mm=6 | φ D SYMBOL | 25L=25 30L=30 35L=35 40L=40 45L=45 50L=50 |
| W.V. | SYMBOL | 静电容量 RATED Cap. μF | 記号 SYMBOL | 静电容量 RATED Cap. μF | 記号 SYMBOL | |
| 200 | 2D | 68 | 680 | 270 | 271 | |
| 250 | 2E | 82 | 820 | 1200 | 122 | |
| 400 | 2G | 180 | 181 | 1500 | 152 | |
| 450 | 2W | | | | | |

■寸法表 /CASE SIZE TABLE

| φ D×L (mm) | 200V (2D) | | 250V (2E) | | 400V (2G) | | 450V (2W) | |
|---------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | Cap | Ripple | Cap | Ripple | Cap | Ripple | Cap | Ripple |
| | μF | A,rms | μF | A,rms | μF | A,rms | μF | A,rms |
| 22×25 | 270 | 1.01 | | | 82 | 0.58 | 56 | 0.41 |
| 22×30 | 330 | 1.15 | 270 | 1.05 | 100 | 0.64 | 82 | 0.59 |
| 22×35 | 390 | 1.21 | 330 | 1.17 | 120 | 0.69 | 100 | 0.64 |
| 22×40 | 470 | 1.33 | 390 | 1.36 | 150 | 0.81 | 120 | 0.69 |
| 22×45 | 560 | 1.47 | 470 | 1.46 | 180 | 0.90 | 150 | 0.81 |
| 22×50 | 680 | 1.61 | 560 | 1.57 | 220 | 1.01 | 180 | 0.87 |
| 25×25 | | | | | 100 | 0.64 | 82 | 0.59 |
| 25×30 | 390 | 1.20 | 330 | 1.16 | 150 | 0.81 | 120 | 0.69 |
| 25×35 | 470 | 1.32 | 390 | 1.33 | 180 | 0.89 | 150 | 0.81 |
| 25×40 | 560 | 1.46 | 470 | 1.43 | 220 | 1.00 | 180 | 0.87 |
| 25×45 | 680 | 1.62 | 560 | 1.64 | | | 220 | 1.01 |
| 25×50 | 820 | 1.78 | 680 | 1.93 | 270 | 1.10 | | |

■Ripple current [Max. Value A] at 105°C 120Hz

| φ D×L (mm) | 200V (2D) | | 250V (2E) | | 400V (2G) | | 450V (2W) | |
|---------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | Cap | Ripple | Cap | Ripple | Cap | Ripple | Cap | Ripple |
| | μF | A,rms | μF | A,rms | μF | A,rms | μF | A,rms |
| 30×25 | | | 390 | 1.36 | 150 | 0.75 | 120 | 0.67 |
| 30×30 | 560 | 1.46 | 470 | 1.51 | 220 | 1.00 | 180 | 0.84 |
| 30×35 | 680 | 1.63 | 560 | 1.64 | 270 | 1.11 | 220 | 0.94 |
| 30×40 | 820 | 1.83 | 680 | 1.82 | 330 | 1.31 | 270 | 1.07 |
| 30×45 | 1000 | 2.10 | 820 | 1.99 | | | 330 | 1.21 |
| 30×50 | 1200 | 2.41 | 1000 | 2.19 | 390 | 1.41 | | |
| 35×25 | | | | | 220 | 1.00 | 180 | 0.79 |
| 35×30 | 820 | 1.82 | 680 | 1.82 | 330 | 1.31 | 270 | 1.17 |
| 35×35 | 1000 | 2.10 | 820 | 2.03 | 390 | 1.42 | 330 | 1.33 |
| 35×40 | 1200 | 2.42 | 1000 | 2.14 | 470 | 1.73 | 390 | 1.52 |
| 35×45 | 1500 | 2.81 | 1200 | 2.76 | 560 | 1.93 | 470 | 1.70 |
| 35×50 | 1800 | 3.05 | | | 680 | 2.12 | | |

- 上表以外的产品也可以定制，请与敝社联系。
- Produce custom products too, which are not found in these tables.

●基板自立形 105°C品

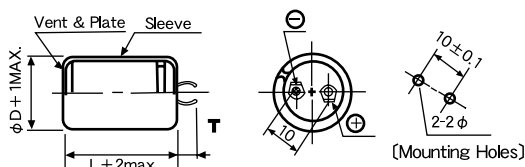
LGWB 系列

JIS C5101
CE-69

■特 征

- 基板自立 型端子结构大容量电解电容器、最高使用温度 105°C、5,000小时寿命品。
- 适用于一般电子设备及工业电子设备用电源回路等。

■寸法图/DIAGRAM OF DIMENSIONS



●SNAP-IN TERMINAL TYPE 105°C USE

TYPE LGWB

JIS C5101
CE-69

■FEATURES

- This product is a large capacitance electrolytic capacitor having a printed circuit board snap-in terminal structure and operates at the maximum operating temperature of 105°C. And, product of 5,000 hour guarantee.
- This product is most suitable for use in the power supply circuit, etc. for general electronic equipment and industrial equipment.

Unit : mm

| | |
|-----|-----------|
| φ D | 22~35 |
| T | 6.3 ± 1.0 |
| | 4.0 ± 1.0 |

■性 能/PERFORMANCE SPECIFICATIONS

| | | | | | | | |
|---|--|---|---------|---------|------|------|------|
| 工 作 温 度 范 围 | CATEGORY TEMPERATURE RANGE | -25°C ~ +105°C (200~500VDC) | | | | | |
| 静 电 容 量 容 许 误 差 | STANDARD CAPACITANCE TOLERANCE | -20% ~ +20% (25°C, 120Hz) | | | | | |
| 漏 电 流 (最 大 值) | LEAKAGE CURRENT (MAX. VALUE) | I=0.02CV OR 3mA WHICHEVER C=RATED CAPACITANCE(μF) IS THE SMALLER (at 25°C, after 5 minutes) V=WORKING VOLTAGE (V) | | | | | |
| 损 失 角 的 正 切 (最 大 值) (25°C, 120Hz) | DISSIPATION FACTOR (MAX. VALUE) (25°C, 120Hz) | W.V. | 200 | 250 | 400 | 450 | 500 |
| | | tan δ | 0.20 | 0.20 | 0.25 | 0.25 | 0.25 |
| 耐 久 性 105°C5000時間 定 格 使 用 电 压 印 加 | ENDURANCE APPLICATION OF RATED OPERATING VOLTAGE, AT 105°C FOR 5000HOURS. | CAPACITANCE CHANGE : WITHIN ±25% OF THE INITIAL VALUE. DISSIPATION FACTOR : LESS THAN 200% OF THE INITIAL SPECIFIED VALUE. LEAKAGE CURRENT : LESS THAN THE INITIAL SPECIFIED VALUE. | | | | | |
| | | W.V. | 200~400 | 450~500 | | | |
| 低 温 特 性 阻 抗 比 最 大 值 (120Hz) (最 大 值) | LOW TEMPERATURE STABILITY RATIO OF IMPEDANCE AT COLD TO THAT AT 20°C, 120Hz. MAX. VALUE. | Z -25°C / Z +20°C | 4 | 8 | | | |
| | | 其他特性参考 JIS C5101-4 标准 | | | | | |
| THE OTHER CHARACTERISTICS | | THE OTHER CHARACTERISTICS ARE BASED ON JIS C 5101-4 | | | | | |

■额定纹波电流修正系数

纹波频率与标准品一览表中的频率不同时，请参考下表中的修正系数。

When the ripple frequency differs from the specification shown in the list of standard products, multiply the value with the coefficient shown below, and use the products under the obtained value.

频率修正系数/FREQUENCY CORRECTION FACTOR

| (Hz) | f | 50/60 | 120 | 1k | 10k | 100k |
|---------|---|-------|------|------|------|------|
| 200~500 | | 0.80 | 1.00 | 1.20 | 1.30 | 1.40 |

■料号表示方法/HOW TO SPECIFY ITEM NUMBER FOR TYPE LGW

例 / Example

| | | | | | | |
|-----------------------|--------------------|----------------------------|--------------------------------|----------------------------|--------------------------------|--|
| 400V | LGWB series | 390μF | ±20% | 40 mm | φ 35 | 45L |
| 2G | LGWB | 391 | M | 6 | Q | 50 |
| 额定电压 Rated Voltage | 系列名 Series Name | 静电容量 Capacitance Symbol | 容量容许差 Capacitance tolerance | 端子长 (T) Terminal length | 制品外径 (φ D) Product diameter | 制品长(L) Product length |
| 例 / Example | | | ±20%=M | 6.3mm=7 4.0mm=6 | φ D SYMBOL | 25L=25 30L=30 35L=35 40L=40 45L=45 50L=50 55L=55 |
| W.V. | SYMBOL | 静电容量 RATED Cap. μF | 記号 SYMBOL | 静电容量 RATED Cap. μF | 記号 SYMBOL | |
| 200 | 2D | 68 | 680 | 270 | 271 | |
| 250 | 2E | 82 | 820 | 1200 | 122 | |
| 400 | 2G | 180 | 181 | 1500 | 152 | |
| 450 | 2W | | | | | |

■寸法表 /CASE SIZE TABLE

■Ripple current [Max. Value A] at 105°C120Hz

| φ D × L (mm) | 200V (2D) | | 250V (2E) | | 400V (2G) | | 450V (2W) | | 500V (2H) | |
|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|
| | Cap μF | Ripple A,rms | Cap μF | Ripple A,rms | Cap μF | Ripple A,rms | Cap μF | Ripple A,rms | Cap μF | Ripple A,rms |
| 22×25 | | | | | 82 | 0.58 | 68 | 0.49 | 47 | 0.30 |
| 22×30 | 270 | 1.01 | 220 | 0.91 | 100 | 0.64 | 82 | 0.59 | 68 | 0.39 |
| 22×35 | 330 | 1.15 | 270 | 1.05 | 120 | 0.69 | 100 | 0.64 | 82 | 0.46 |
| 22×40 | 390 | 1.21 | 330 | 1.17 | 150 | 0.81 | 120 | 0.69 | 100 | 0.67 |
| 22×45 | 470 | 1.33 | 390 | 1.36 | 180 | 0.90 | 150 | 0.81 | 120 | 0.62 |
| 22×50 | 560 | 1.47 | 470 | 1.46 | 220 | 1.01 | 180 | 0.90 | 150 | 0.73 |
| 25×25 | | | | | 100 | 0.68 | | | 56 | 0.35 |
| 25×30 | 390 | 1.20 | | | 150 | 0.81 | 100 | 0.64 | 82 | 0.46 |
| 25×35 | 470 | 1.32 | 330 | 1.16 | 180 | 0.89 | 120 | 0.69 | 100 | 0.54 |
| 25×40 | 560 | 1.46 | 390 | 1.33 | 220 | 1.00 | 150 | 0.81 | 120 | 0.63 |
| 25×45 | 680 | 1.62 | 470 | 1.43 | | | 180 | 0.87 | 150 | 0.75 |
| 25×50 | 820 | 1.78 | 560 | 1.64 | 270 | 1.10 | 220 | 1.01 | 220 | 0.95 |

| φ D × L (mm) | 200V (2D) | | 250V (2E) | | 400V (2G) | | 450V (2W) | | 500V (2H) | |
|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|
| | Cap μF | Ripple A,rms | Cap μF | Ripple A,rms | Cap μF | Ripple A,rms | Cap μF | Ripple A,rms | Cap μF | Ripple A,rms |
| 30×25 | | | | | 150 | 0.75 | 120 | 0.67 | | |
| 30×30 | 560 | 1.46 | 390 | 1.36 | 180 | 0.87 | 150 | 0.74 | 150 | 0.70 |
| 30×35 | 682 | 1.63 | 470 | 1.51 | 220 | 1.00 | 180 | 0.84 | 180 | 0.81 |
| 30×40 | 820 | 1.83 | 560 | 1.64 | 270 | 1.10 | 220 | 0.94 | | |
| 30×45 | 1000 | 2.10 | 682 | 1.82 | 330 | 1.31 | 270 | 1.07 | 220 | 1.00 |
| 30×50 | 1200 | 2.41 | 820 | 1.99 | 390 | 1.41 | 330 | 1.21 | | |
| 35×25 | | | | | | | 150 | 0.69 | | |
| 35×30 | 820 | 1.82 | | | 270 | 1.11 | 220 | 0.97 | 220 | 0.93 |
| 35×35 | 1000 | 2.10 | 680 | 1.82 | 330 | 1.31 | 270 | 1.08 | 270 | 1.09 |
| 35×40 | 1200 | 2.42 | 820 | 2.03 | 390 | 1.42 | 330 | 1.25 | 330 | 1.28 |
| 35×45 | 1500 | 2.81 | 1000 | 2.14 | 470 | 1.53 | 390 | 1.38 | | |
| 35×50 | | | 1200 | 2.76 | 560 | 1.68 | 470 | 1.56 | 390 | 1.47 |
| 35×55 | | | | | 680 | 1.88 | | | | |

- 上表以外的产品也可以定制，请与敝社联系。
- Produce custom products too, which are not found in these tables.

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