

●基板自立形105°C品

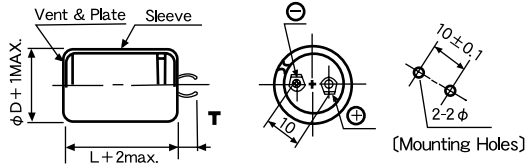
LCWB シリーズ

JIS C5101
CE-69

■特徴

- ・プリント基板自立形端子構造の大容量電解コンデンサで、最高使用温度105°C 5,000時間保証の製品です。
- ・一般電子機器及び産業用機器の電源回路、出力回路等にご使用頂くのに最適の製品です。

■寸法図/DIAGRAM OF DIMENSIONS



●SNAP-IN TERMINAL TYPE 105°C USE

TYPE LCWB

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■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

| | |
|----|---------|
| φD | 22~35 |
| T | 6.3±1.0 |
| | 4.0±1.0 |

■性能/PERFORMANCE SPECIFICATIONS

| | | | | | | | |
|--|---|---|---------|---------|------|------|------|
| カテゴリ温度範囲 | CATEGORY TEMPERATURE RANGE | -25°C~+105°C (200~500VDC) | | | | | |
| 標準静電容量許容差 | STANDARD CAPACITANCE TOLERANCE | -20%~+20% (25°C, 120Hz) | | | | | |
| 漏れ電流 (最大値) | 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) | | | | | |
| 損失角の正接 (最大値) (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°C 5000時間 定格使用電圧印加 | 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. | | | | | |
| 低温特性 (+20°Cにおける120Hzのインピーダンスに対する比) (最大値) | LOW TEMPERATURE STABILITY RATIO OF IMPEDANCE AT COLD TO THAT AT 20°C, 120Hz. MAX. VALUE. | W.V. | 200~400 | 450~500 | | | |
| | | Z -25°C / Z +20°C | 4 | 8 | | | |
| その他の特性はJIS C5101-4に準ずる | THE OTHER CHARACTERISTICS | THE OTHER CHARACTERISTICS ARE BASED ON JIS C 5101-4 | | | | | |

■定格リップル電流補正係数

リップル周波数が標準品一覧表の規定値と異なる場合には、下表の係数を乗じた値以下でご使用下さい。

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.

周波数補正係数/FREQUENCY CORRECTION FACTOR

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

■品番ご指定法/HOW TO SPECIFY ITEM NUMBER FOR TYPE LCWB

例/Example 400V LCWB series 390 μF ±20% 4.0mm 25×30L

2G **LCWB** **391** **M** **F** **250300**

定格電圧 Rated Voltage シリーズ名 Series Name 静電容量記号 Capacitance Symbol 容量許容差 Capacitance tolerance 端子長さ(T) Terminal length

| | |
|---------|-----------|
| 寸法 Size | 記号 Symbol |
| 25×30 | 250300 |
| 30×40 | 300400 |
| 35×50 | 350500 |

| | |
|------|--------|
| W.V. | SYMBOL |
| 200 | 2D |
| 250 | 2E |
| 400 | 2G |
| 450 | 2W |

| | | | |
|--------------------|-----------|--------------------|-----------|
| 静電容量 RATED Cap. μF | 記号 SYMBOL | 静電容量 RATED Cap. μF | 記号 SYMBOL |
| 68 | 680 | 270 | 271 |
| 82 | 820 | 1200 | 122 |
| 180 | 181 | 1500 | 152 |

| | |
|-----------|-----------|
| 長さ length | 記号 Symbol |
| 4.0mm | F |
| 6.3mm | S |

±20%=M

■寸法表/CASE SIZE TABLE

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

| φD×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 |
| 30×25 | | | | | | | | | 150 | 0.75 |
| 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 |
| 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 | | | | |

●この寸法表にないカスタム製品も製造いたしますので、御相談下さい。
● Produce custom products too, which are not found in these tables.