# CUBISIC SLP

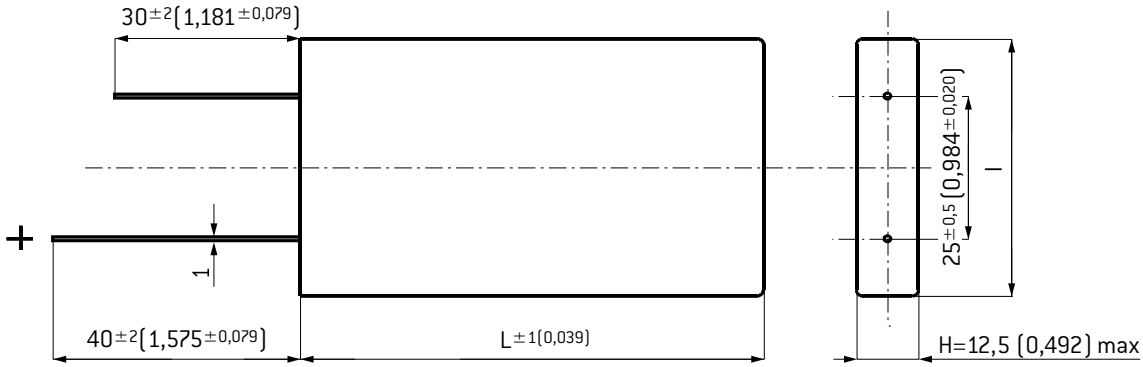
## 5 000 h / 85°C

| 10 V ... 450 V | 110 µF ... 68 000 µF | 45mm (1.78") x 12mm (0.48") x L | – 55°C + 85°C | Long Life Time |
|---|---|---|---|---|


## APPLICATIONS

- Low prof lle printed circuit mounting
- Possible mounting with 45 x 12 bracket (A691057)
- Possible thermal dissipation per conduction through lower and upper surface
- Switch mode power supplies, impulse current
- Withstands more than 92,000 feet altitude
- Sleeve optional

Aluminum case: Tin coated leads
Tolerance on capacitance at 20°C : ±20 %
Operating temperature : – 55°C +85°C




Dimensions in mm (inches)

Note: The PVC or PPI114 sleeves may add up to 0,020 inches to the thickness and width of the capacitor.

RADIAL LEADED

### WEIGHT DEPENDING ON LENGTH

| Length mm (Inches) | Weight ±25% (g) |
|---|---|
| 38 (1.5) | 30 g |
| 51 (2.0) | 45 g |
| 76 (3.0) | 60 g |

### RESISTANCE TO VIBRATIONS

| | Standard |
|---|---|
| ƒ (Hz) | 10 - 2000 Hz |
| Amplitude | 1,5 (0.059) |
| Vibration | 50g for L=38 & 51mm / 30g for L=76mm* |
| Shock | 50 g |

* In accordance with MIL-STD-202, Meth. 204

## SPECIFICATIONS

CECC 30300 Long life
IEC 60 384-4 Long life
DIN 41 240 climatic category: – 55°C + 85°C
and GPF: – 55°C + 85°C / 56 days

## WITHSTAND STRENGTH OF INSULATING SLEEVE

Add the option code at the end of the part number
(ex: A751000S or A751000V)

| | Option code | RoHS | ISO Electric** | Fire resistance*** |
|---|---|---|---|---|
| No Sleeve | – | Yes | – | NC |
| PVC | S | Yes | 2000 V | 15 |
| PPI 114* | V | Yes | 1000 V | 30 |

* PPI 1114 shrinkable polyester tape with polyacrylate adhesive Insulating resistance at 20°C between leads and mounting hardware: 100 MΩ

** Test voltage at 50 Hz 1 min. between leads and mounting hardware: 2000 V

*** Fire resistance: self extinguish 15 s. (IEC 60 695-2-2)

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| Capacitance | Case | | | | | | Tanδ 100 Hz +20°C max. | ESR 100 Hz +20°C Typic | Z 10 kHz +20°C Typic | II +20°C 5 min. max. | I ~100 Hz | | Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | | L | | H | | | | | | +40°C max. | +85°C max. | |
| (µF) | mm | (inches) | mm | (inches) | mm | (inches) | (%) | (mΩ) | (mΩ) | (mA) | (A) | (A) | |
| **Rated voltage 10 V** | | | | | | | | | | | | | |
| 22000 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 56 | 25 | 24 | 0,7 | 10,4 | 4,7 | A751000 |
| 33000 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 53 | 16 | 15 | 1,0 | 15,5 | 7,1 | A751003 |
| 68000 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 77 | 12 | 11 | 2,0 | 21,5 | 9,5 | A751002 |
| **Rated voltage 16 V** | | | | | | | | | | | | | |
| 15000 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 41 | 27 | 25 | 0,7 | 10,3 | 4,9 | A751020 |
| 33000 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 53 | 16 | 15 | 1,6 | 15,3 | 6,8 | A751022 |
| 47000 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 47 | 10 | 9 | 2,3 | 23,7 | 10,8 | A751023 |
| **Rated voltage 25 V** | | | | | | | | | | | | | |
| 13000 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 36 | 27 | 25 | 1,0 | 10,1 | 4,6 | A751039 |
| 22000 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 37 | 17 | 15 | 1,7 | 15,1 | 6,8 | A751040 |
| 33000 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 41 | 12 | 11 | 2,5 | 21,2 | 9,5 | A751041 |
| **Rated voltage 35 V** | | | | | | | | | | | | | |
| 10000 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 29 | 28 | 25 | 1,1 | 9,8 | 4,4 | A751060 |
| 15000 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 28 | 17 | 16 | 1,6 | 14,7 | 6,6 | A751061 |
| 22000 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 26 | 11 | 10 | 2,3 | 22,5 | 10,3 | A751062 |
| **Rated voltage 40 V** | | | | | | | | | | | | | |
| 6800 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 25 | 34 | 31 | 0,8 | 8,9 | 4,0 | A751080 |
| 10000 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 23 | 22 | 19 | 1,2 | 13,2 | 6,0 | A751081 |
| 15000 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 22 | 14 | 12 | 1,8 | 20,2 | 9,3 | A751082 |
| **Rated voltage 50 V** | | | | | | | | | | | | | |
| 6000 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 24 | 36 | 32 | 0,9 | 8,5 | 3,7 | A751099 |
| 10000 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 24 | 22 | 20 | 1,5 | 12,7 | 5,5 | A751100 |
| 15000 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 22 | 14 | 12 | 2,3 | 19,7 | 8,6 | A751101 |
| **Rated voltage 63 V** | | | | | | | | | | | | | |
| 3800 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 17 | 40 | 33 | 0,7 | 8,1 | 3,5 | A751119 |
| 6800 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 18 | 24 | 21 | 1,3 | 12,2 | 5,3 | A751120 |
| 10000 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 17 | 15 | 13 | 1,9 | 18,6 | 8,1 | A751121 |
| **Rated voltage 80 V** | | | | | | | | | | | | | |
| 2700 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 14 | 44 | 35 | 0,7 | 7,7 | 3,3 | A751139 |
| 4700 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 17 | 31 | 26 | 1,1 | 10,9 | 4,9 | A751140 |
| 6800 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 15 | 18 | 15 | 1,6 | 17,2 | 7,6 | A751141 |
| **Rated voltage 100 V** | | | | | | | | | | | | | |
| 1300 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 15 | 94 | 76 | 0,4 | 5,6 | 2,7 | A751159 |
| 2200 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 16 | 62 | 51 | 0,7 | 8,1 | 3,9 | A751160 |
| 3300 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 16 | 41 | 33 | 1,0 | 12,1 | 5,9 | A751161 |
| **Rated voltage 160 V** | | | | | | | | | | | | | |
| 570 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 11 | 153 | 111 | 0,3 | 4,3 | 2,0 | A751179 |
| 1000 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 11 | 89 | 65 | 0,5 | 6,6 | 3,1 | A751180 |
| 1500 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 11 | 56 | 40 | 0,7 | 10,0 | 4,7 | A751181 |
| **Rated voltage 200 V** | | | | | | | | | | | | | |
| 470 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 13 | 219 | 118 | 0,3 | 3,5 | 1,6 | A751200 |
| 680 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 10 | 114 | 79 | 0,4 | 5,8 | 2,7 | A751201 |
| 1000 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 10 | 76 | 52 | 0,6 | 8,6 | 4,0 | A751202 |
| **Rated voltage 250 V** | | | | | | | | | | | | | |
| 230 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 9 | 273 | 170 | 0,2 | 3,2 | 1,4 | A751219 |
| 470 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 9 | 138 | 88 | 0,4 | 5,2 | 2,3 | A751220 |
| 680 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 9 | 93 | 58 | 0,5 | 7,6 | 3,5 | A751221 |
| **Rated voltage 300 V** | | | | | | | | | | | | | |
| 200 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 8 | 280 | 161 | 0,2 | 3,1 | 1,4 | A751229 |
| 320 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 8 | 175 | 101 | 0,3 | 4,6 | 2,0 | A751230 |
| 560 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 8 | 101 | 58 | 0,5 | 7,3 | 3,2 | A751231 |
| **Rated voltage 350 V** | | | | | | | | | | | | | |
| 160 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 8 | 343 | 194 | 0,2 | 2,8 | 1,2 | A751239 |
| 330 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 8 | 170 | 98 | 0,4 | 4,6 | 2,1 | A751240 |
| 470 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 8 | 115 | 64 | 0,5 | 6,8 | 3,0 | A751241 |
| **Rated voltage 400 V** | | | | | | | | | | | | | |
| 110 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 9 | 534 | 317 | 0,1 | 2,2 | 1,0 | A751259 |
| 220 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 9 | 270 | 162 | 0,3 | 3,7 | 1,7 | A751260 |
| 330 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 9 | 183 | 111 | 0,4 | 5,4 | 2,5 | A751261 |
| **Rated voltage 420 V** | | | | | | | | | | | | | |
| 400 | 45 | (1,78) | 76 | (3,0) | 12 | (0,48) | 9 | 183 | 111 | 0,5 | 5,4 | 2,5 | A751900 |
| **Rated voltage 450 V** | | | | | | | | | | | | | |
| 110 | 45 | (1.78) | 38 | (1.5) | 12 | (0.48) | 9 | 595 | 378 | 0,2 | 2,1 | 1,0 | A751279 |
| 220 | 45 | (1.78) | 51 | (2.0) | 12 | (0.48) | 9 | 301 | 193 | 0,3 | 3,5 | 1,6 | A751280 |
| 330 | 45 | (1.78) | 76 | (3.0) | 12 | (0.48) | 9 | 200 | 128 | 0,4 | 5,2 | 2,4 | A751281 |

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## 5 000 h / 85°C

### ESTIMATED LIFE TIME IN FUNCTION OF TEMPERATURE AND RIPPLE CURRENT