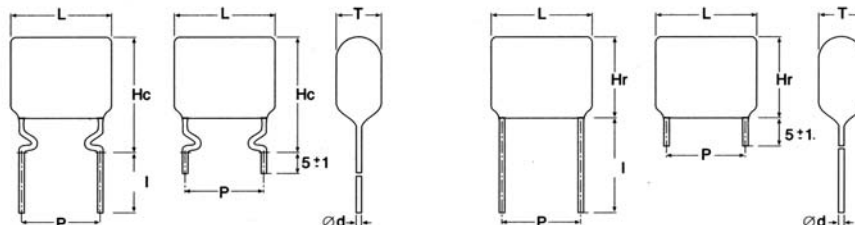


## CAPACITORS KONEK

## METALLIZED POLYESTER FILM CAPACITOR

**TYPICAL APPLICATIONS:**

Filter and noise suppression circuit in low voltage application, blocking, coupling, by-pass, energy storage

**FEATURES:**

Highly reliability, non-inductive, self-healing properties, flat style, high moisture resistance, good solderability.

**MARKING:**

Manufacturer's logo, capacitance, tolerance, rated voltage and. type

**DIELECTRIC:**

Polyester film.

**ELECTRODES:**

Aluminium layer deposited by evaporation under vacuum.

**CONSTRUCTION:**

Metallized polyester film, non inductive, radial leads, and coated in epoxy resin.

**LEADS:**

Tinned wire.

**OPERATING TEMP. RANGE:**

From -55°C to +105 (At 105°C with 75% of rated voltage)

**CAPACITANCE RANGE:**

0.01  $\mu$ F to 22  $\mu$ F

**CAPACITANCE TOLERANCE:**

20%, 10%, 5%

**RATED VOLTAGE:**

63VDC, 100VDC, 160VDC, 250VDC, 400VDC, 630 VDC, 1000VDC

**PITCH:**

10, 15, 22.5, 27.5 (mm)

**PITCH TOLERANCE:**

10, 15:  $\pm 0,5$ mm  
22.5, 27.5:  $\pm 1$ mm

**DISSIPATION FACTOR:**

$Tg\delta \leq 130 \cdot 10^{-4}$  (10 KHz, 25°C)  
 $Tg\delta \leq 100 \cdot 10^{-4}$  (1 KHz, 25°C)

**INSULATION RESISTANCE:**

$\geq 15,000$  M $\Omega$  for  $C \leq 0.33\mu$ F  
 $\geq 5,000$  s for  $C > 0.33\mu$ F

**WITHSTAND VOLTAGE:**

Rated voltage (VDC) x 1.5 for 60 s

**RESISTANCE TO SOLDERING HEAT:**

Body temperature: 100°C  
Bath temperature: 260°C  $\pm$  5°C

**BASIC SPECIFICATIONS:**

IEC 60384-2  
CECC 30400

| MKT-68 | PITCH (mm) | dV/dt (V/us) |        |        |        |
|--------|------------|--------------|--------|--------|--------|
|        |            | 100Vdc       | 250Vdc | 400Vdc | 630Vdc |
|        | 10         | 28           | 70     | 110    | 70     |
|        | 15         | 20           | 28     | 44     | 70     |
|        | 22,5       | 8            | 12     | 20     | 28     |
|        | 27,5       | 7            | 10     | 16     | 24     |

CAPACITORS KONEK

STANDARD PRODUCTS AND CASE SIZE TABLE (mm)

| CAP<br>μF | PITCH<br>(mm) | 100VDC |      |      | 250VDC |      |      | 400VDC |      |      | 630VDC |      |      | 1000VDC |     |      |
|-----------|---------------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|---------|-----|------|
|           |               | L      | T    | Hr   | L      | T    | Hr   | L      | T    | Hr   | L      | T    | Hr   | L       | T   | Hr   |
| 0.001     | 10            |        |      |      |        |      |      |        |      |      |        |      |      | 13      | 5.5 | 10.5 |
| 0.0047    | 10            |        |      |      |        |      |      |        |      |      |        |      |      | 13      | 7.5 | 15   |
| 0.0047    | 15            |        |      |      |        |      |      |        |      |      |        |      |      | 18      | 7   | 10   |
| 0.01      | 10            |        |      |      |        |      |      |        |      |      |        | 13   | 5    | 9.5     |     |      |
| 0.01      | 15            |        |      |      |        |      |      |        |      |      |        |      |      | 18      | 6   | 13   |
| 0.015     | 10            |        |      |      |        |      |      | 13     | 5.5  | 10   | 13     | 5.5  | 10   |         |     |      |
| 0.022     | 10            |        |      |      |        |      |      | 13     | 5    | 9    | 13     | 5.5  | 10.5 |         |     |      |
| 0.033     | 10            |        |      |      |        |      |      | 13     | 5.5  | 10.5 | 13     | 6.5  | 11   |         |     |      |
| 0.047     | 10            |        |      |      | 13     | 5    | 9    | 13     | 5    | 9    |        |      |      |         |     |      |
| 0.068     | 15            |        |      |      |        |      |      |        |      |      |        | 18   | 6    | 10.5    |     |      |
| 0.068     | 10            |        |      |      | 13     | 5    | 8.5  | 13     | 6    | 10.5 |        |      |      |         |     |      |
| 0.068     | 15            |        |      |      |        |      |      |        |      |      |        | 18   | 6.5  | 11.5    |     |      |
| 0.1       | 10            | 12     | 6    | 11   | 12     | 6    | 11   | 13     | 7    | 12.5 |        |      |      |         |     |      |
| 0.1       | 15            |        |      |      |        |      |      | 18     | 6.5  | 11.5 | 18     | 7.5  | 13.5 |         |     |      |
| 0.1       | 22.5          |        |      |      |        |      |      |        |      |      |        | 26   | 7    | 13      |     |      |
| 0.15      | 10            | 13     | 5.5  | 9.5  | 13     | 6.5  | 11   |        |      |      |        |      |      |         |     |      |
| 0.15      | 15            |        |      |      |        |      |      | 18     | 5.5  | 12   | 18     | 8.5  | 15.5 |         |     |      |
| 0.15      | 22.5          |        |      |      |        |      |      |        |      |      |        | 26   | 8.0  | 13      |     |      |
| 0.22      | 10            | 13     | 5.5  | 9.5  | 13     | 8    | 12   |        |      |      |        |      |      |         |     |      |
| 0.22      | 15            | 18     | 6    | 8.5  | 18     | 6    | 11   | 17.5   | 6.5  | 11   | 18     | 9.5  | 17.5 |         |     |      |
| 0.22      | 22.5          |        |      |      |        |      |      | 24     | 5.5  | 9.5  | 26     | 8.5  | 15   |         |     |      |
| 0.33      | 10            | 13     | 6.5  | 10.5 |        |      |      |        |      |      |        |      |      |         |     |      |
| 0.33      | 15            | 18     | 6    | 10.5 | 18     | 7    | 12   | 18     | 8.0  | 13.5 |        |      |      |         |     |      |
| 0.33      | 22.5          |        |      |      |        |      |      | 26     | 7    | 12   | 26     | 9.5  | 17   |         |     |      |
| 0.47      | 10            | 13     | 7    | 11.5 |        |      |      |        |      |      |        | 26   | 11.5 | 20.0    |     |      |
| 0.47      | 15            | 18     | 6    | 10.5 | 18     | 8.0  | 12.5 | 18     | 9    | 16   | 31     | 10   | 18.5 |         |     |      |
| 0.47      | 22.5          |        |      |      | 26     | 7    | 11.5 | 26     | 7    | 13.5 |        |      |      |         |     |      |
| 0.68      | 15            | 18     | 6.5  | 12.5 | 18     | 9    | 15   |        |      |      |        |      |      |         |     |      |
| 0.68      | 22.5          |        |      |      | 26     | 7.5  | 13   | 26     | 7.5  | 17   | 26     | 13.5 | 22.5 |         |     |      |
| 0.68      | 27.5          |        |      |      |        |      |      |        |      |      |        | 31   | 8.8  | 18      |     |      |
| 1         | 10            | 13     | 7    | 16.5 |        |      |      |        |      |      |        |      |      |         |     |      |
| 1         | 15            | 18     | 7.5  | 12.5 | 18     | 11   | 16.5 |        |      |      |        |      |      |         |     |      |
| 1         | 22.5          | 26     | 7    | 12   | 26     | 8.5  | 14.5 | 26     | 9    | 18.5 |        |      |      |         |     |      |
| 1         | 27.5          |        |      |      |        |      |      | 31     | 8.5  | 18   | 31     | 15   | 24.0 |         |     |      |
| 1.5       | 15            | 18     | 9    | 15   |        |      |      |        |      |      |        |      |      |         |     |      |
| 1.5       | 22.5          | 26     | 8.0  | 14.5 | 26     | 9.5  | 16.5 | 26     | 11   | 19   |        |      |      |         |     |      |
| 1.5       | 27.5          |        |      |      | 31     | 9    | 16   | 31     | 10   | 19   | 32     | 17   | 26.5 |         |     |      |
| 2.2       | 15            | 18     | 10.5 | 17   |        |      |      |        |      |      |        |      |      |         |     |      |
| 2.2       | 22.5          | 26     | 8.5  | 16.5 | 26     | 11   | 19.5 |        |      |      |        |      |      |         |     |      |
| 2.2       | 27.5          |        |      |      |        |      |      | 32     | 12   | 23   |        |      |      |         |     |      |
| 3.3       | 22.5          | 26     | 9    | 18   | 26     | 14.0 | 23.0 |        |      |      |        |      |      |         |     |      |
| 3.3       | 27.5          | 31     | 10   | 17.5 | 31     | 13   | 22.0 | 31     | 15.5 | 25   |        |      |      |         |     |      |
| 4.7       | 22.5          | 26     | 11   | 21.0 |        |      |      |        |      |      |        |      |      |         |     |      |
| 4.7       | 27.5          | 31     | 11   | 20.5 | 31     | 15   | 25.5 | 32     | 18.5 | 28   |        |      |      |         |     |      |
| 6.8       | 27.5          | 31     | 13   | 23.0 |        |      |      |        |      |      |        |      |      |         |     |      |
| 10        | 27.5          | 31     | 16   | 25   |        |      |      |        |      |      |        |      |      |         |     |      |