

# POLYESTER FILM CAPACITOR-PEI

Suntan®

INDUCTIVE WELDED CONSTRUCTION EPOXY DIP COATED



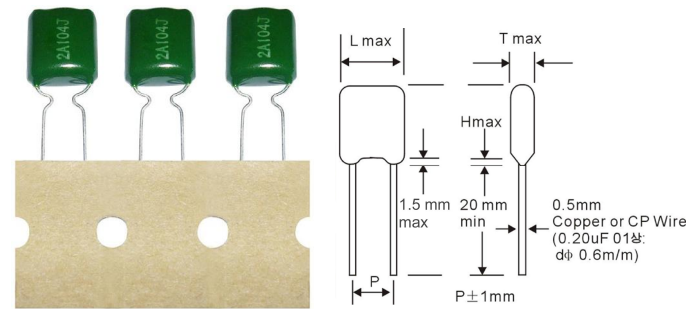
## FEATURES

# TS01

- Good reputation in use with consumer & industrial electronics.
- Optimum for automatic insertion due to their small size and light weight.
- Coated with epoxy resin for superior heat resistance, humidity resistance and solvent resistance.

## SPECIFICATIONS

|                       |                                        |
|-----------------------|----------------------------------------|
| OPERATING TEMPERATURE | -40°C TO + 85°C                        |
| RATED VOLTAGE         | DC 100V,250V,400V,630V,1000V,1200V     |
| CAPACITANCE RANGE     | 0.001 TO 0.22μF                        |
| CAPACITANCE TOLERANCE | ±5%, ±10%, ±20%                        |
| INSULATION RESISTANCE | 0.1μF ≤30,000 MΩ min, >0.1μF >15000 MΩ |
| DISSIPATION FACTOR    | ≤0.1 (AT 1KHZ)                         |
| DIELECTRIC STRENGTH   | 200% of rated voltage for 5sec.        |



| VDC<br>Mfd | 100V |      |     |     | 250V |      |     |     | 400V |      |     |     | 630V |      |     |     | 1000V |      |     |     | 1200V |      |     |     |
|------------|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|-------|------|-----|-----|-------|------|-----|-----|
|            | L    | H    | T   | P±1 | L    | H    | T   | P±1 | L    | H    | T   | P±1 | L    | H    | T   | P±1 | L     | H    | T   | P±1 | L     | H    | T   | P±1 |
| 0.001      | 6.0  | 11.0 | 5.0 | 3.5 | 6.0  | 11.0 | 5.0 | 3.5 | 6.0  | 11.0 | 5.0 | 3.5 | 7.0  | 12.0 | 5.0 | 4.0 | 8.5   | 13.0 | 4.5 | 5.0 | 8.5   | 13.0 | 4.5 | 5.0 |
| 0.0012     | 6.0  | 11.0 | 5.0 | 3.5 | 6.0  | 11.0 | 5.0 | 3.5 | 6.0  | 11.0 | 5.0 | 3.5 | 7.0  | 12.0 | 5.0 | 4.0 | 8.5   | 13.0 | 4.5 | 5.0 | 8.5   | 13.0 | 4.5 | 5.0 |
| 0.0015     | 6.5  | 11.0 | 4.5 | 3.5 | 6.5  | 11.0 | 4.5 | 3.5 | 6.5  | 11.0 | 5.0 | 3.5 | 7.0  | 12.0 | 5.0 | 4.0 | 8.5   | 13.5 | 5.0 | 5.0 | 8.5   | 13.5 | 5.0 | 5.0 |
| 0.0018     | 6.5  | 11.0 | 4.0 | 3.5 | 6.5  | 11.0 | 4.0 | 4.0 | 7.0  | 11.5 | 5.0 | 4.0 | 7.0  | 12.0 | 5.0 | 4.0 | 9.0   | 13.5 | 5.5 | 5.5 | 9.0   | 13.5 | 5.5 | 5.5 |
| 0.0022     | 6.5  | 11.0 | 4.0 | 3.5 | 6.5  | 11.0 | 4.0 | 4.0 | 7.0  | 12.0 | 4.5 | 4.0 | 7.0  | 12.0 | 5.0 | 4.0 | 8.5   | 13.5 | 5.0 | 5.5 | 8.5   | 13.5 | 5.0 | 5.5 |
| 0.0027     | 6.5  | 11.0 | 4.5 | 3.5 | 6.5  | 11.0 | 4.5 | 4.0 | 7.0  | 12.0 | 4.5 | 4.0 | 7.0  | 12.0 | 5.0 | 4.0 | 8.5   | 13.5 | 5   | 5.5 | 8.5   | 13.5 | 5.0 | 5.5 |
| 0.0033     | 6.5  | 11.0 | 4.0 | 4.0 | 6.5  | 11.0 | 4.0 | 4.0 | 7.5  | 12.5 | 5   | 4.5 | 7.5  | 12.5 | 5.0 | 4.5 | 10.0  | 14.0 | 5.5 | 6.0 | 10.0  | 14.0 | 5.5 | 6.0 |
| 0.0039     | 6.5  | 11.0 | 4.0 | 4.0 | 6.5  | 11.0 | 4.0 | 4.0 | 7.5  | 12.5 | 5.0 | 5.0 | 7.5  | 12.5 | 5.0 | 5.0 | 10.0  | 15.5 | 5.5 | 7.0 | 10.0  | 15.5 | 5.5 | 7.0 |
| 0.0047     | 7.0  | 11.0 | 4.5 | 4.0 | 7.0  | 11.0 | 4.5 | 4.0 | 8.0  | 12.5 | 5.0 | 5.0 | 8.0  | 12.5 | 5.0 | 5.0 | 10.5  | 16.0 | 6.5 | 7.0 | 10.5  | 16.0 | 6.5 | 7.0 |
| 0.0056     | 7.0  | 11.0 | 4.5 | 4.0 | 7.0  | 11.0 | 4.5 | 4.0 | 8.0  | 12.5 | 5.0 | 5.0 | 8.0  | 13.0 | 5.0 | 5.0 | 10.5  | 16.0 | 6.5 | 7.5 | 10.5  | 16.0 | 6.5 | 7.5 |
| 0.0068     | 7.0  | 11.0 | 4.5 | 4.0 | 7.0  | 11.0 | 4.5 | 4.0 | 8.0  | 13.0 | 5.0 | 5.0 | 8.0  | 13.0 | 5.0 | 5.0 | 11.0  | 16.0 | 6.5 | 7.5 | 11.0  | 16.0 | 6.5 | 7.5 |
| 0.0082     | 7.0  | 11.0 | 4.5 | 4.0 | 7.0  | 11.0 | 4.5 | 4.0 | 8.0  | 13.5 | 5.5 | 5   | 8.0  | 13.5 | 5.5 | 5.0 | 11.5  | 16.5 | 7.0 | 8.0 | 11.5  | 16.5 | 7.0 | 8.0 |
| 0.01       | 7.0  | 11.0 | 4.5 | 4.0 | 7.0  | 11.0 | 4.5 | 4.0 | 7.5  | 13.0 | 4.5 | 5.0 | 8.5  | 13.0 | 5.5 | 5.5 | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.012      | 7.0  | 11.0 | 4.5 | 4.0 | 7.0  | 11.0 | 4.5 | 4.0 | 7.5  | 13.0 | 4.5 | 5.5 | 8.5  | 13.0 | 5.5 | 5.5 | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.015      | 7.5  | 11.0 | 4.5 | 4.0 | 7.5  | 11.0 | 4.5 | 4.0 | 8.0  | 13.5 | 5.0 | 5.5 | 9.0  | 13.5 | 6.0 | 6.0 | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.018      | 7.5  | 11.0 | 5.0 | 5.0 | 7.5  | 11.0 | 5.0 | 5.0 | 8.0  | 13.5 | 5.0 | 5.5 | 9.0  | 13.5 | 6.0 | 6.0 | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.022      | 8.0  | 12.0 | 5.5 | 5.0 | 8.0  | 12.5 | 4.5 | 5.0 | 10.0 | 13.5 | 6.0 | 6.5 | 11.0 | 14.0 | 6.5 | 7.5 | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.027      | 8.5  | 12.5 | 5.0 | 5.5 | 8.5  | 12.5 | 5.0 | 5.5 | 10.0 | 13.5 | 6.0 | 6.5 | 11.0 | 14.0 | 6.5 | 7.5 | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.033      | 8.5  | 12.5 | 5.5 | 5.5 | 8.5  | 13.0 | 6.0 | 6.0 | 11.0 | 13.5 | 6.5 | 7.0 | 12.5 | 15.0 | 8.0 | 8.0 | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.039      | 8.5  | 13.0 | 5.5 | 5.5 | 8.5  | 13.5 | 6.0 | 6.0 | 11.5 | 14.0 | 6.5 | 7.0 | 12.5 | 15.0 | 8.0 | 8.0 | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.040      | 8.5  | 13   | 5.5 | 5.5 | 8.5  | 13.5 | 6.0 | 6.0 | --   | --   | --  | --  | --   | --   | --  | --  | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.047      | 9.0  | 12.5 | 5.5 | 6.0 | 10.0 | 13.0 | 6.5 | 6.5 | 10.5 | 15.5 | 7.0 | 7.5 | 12.0 | 16.0 | 8.0 | 8.0 | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.056      | 9.5  | 12.5 | 5.5 | 6.5 | 10.0 | 13.0 | 6.5 | 6.5 | 10.5 | 15.5 | 7.0 | 8.0 | --   | --   | --  | --  | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.068      | 10.0 | 13.0 | 6.5 | 6.5 | 11.0 | 14.0 | 7.0 | 7.0 | 12.5 | 16.5 | 8.5 | 8.5 | --   | --   | --  | --  | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.082      | 11.0 | 13.0 | 6.5 | 7.5 | 11.0 | 14.0 | 7.0 | 7.0 | --   | --   | --  | --  | --   | --   | --  | --  | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.1        | 11.0 | 13.0 | 7.5 | 7.5 | 12.0 | 14.0 | 7.5 | 7.5 | 14.0 | 16.0 | 9.0 | 9.0 | --   | --   | --  | --  | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.12       | 11.0 | 13.0 | 7.5 | 7.5 | 12.0 | 14.0 | 7.5 | 7.5 | --   | --   | --  | --  | --   | --   | --  | --  | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.15       | 11.5 | 13.0 | 7.0 | 7.5 | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.18       | 12.0 | 13.5 | 7.5 | 7.5 | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  | --    | --   | --  | --  | --    | --   | --  | --  |
| 0.22       | 12.5 | 13.5 | 8.0 | 7.5 | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  | --    | --   | --  | --  | --    | --   | --  | --  |

Note: Specifications are subject to change without notice. For more detail and update, please visit our website.