

# POLYESTER FILM CAPACITOR-PEI

Suntan®

INDUCTIVE WELDED CONSTRUCTION EPOXY DIP COATED

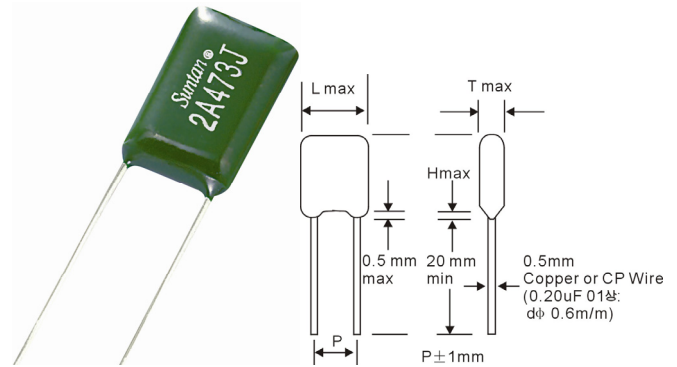
## FEATURES

# 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     | 0.00027 TO 0.47μF                      |
| 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 |      |      |     | Miniature Size 100V |      |      |      | 250V |      |     |     | 400V |      |     |     | 630V |      |     |     |
|------------|------|------|------|-----|---------------------|------|------|------|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|
|            | 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 |
| 0.00047    | 7.0  | 12.0 | 4.0  | 4.0 | 6.0                 | 8.5  | 3.5  | 4.0  | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.00027    | 7.5  | 11.0 | 4.5  | 4.0 | 6.0                 | 8.5  | 3.5  | 4.0  | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.00068    | 6.5  | 11.0 | 4.5  | 4.0 | 6.0                 | 8.5  | 3.5  | 4.0  | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.001      | 6.0  | 10.5 | 3.5  | 3.5 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.0  | 10.5 | 3.5 | 3.5 | 6.0  | 10.5 | 3.5 | 3.5 | 6.0  | 12.5 | 3.5 | 3.5 |
| 0.0012     | 6.0  | 10.5 | 3.5  | 3.5 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.0  | 10.5 | 3.5 | 3.5 | 6.0  | 10.5 | 3.5 | 3.5 | 6.0  | 12.5 | 3.5 | 3.5 |
| 0.0015     | 6.0  | 10.5 | 3.5  | 3.5 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.0  | 10.5 | 3.5 | 3.5 | 6.0  | 10.5 | 3.5 | 3.5 | 6.5  | 12.5 | 3.5 | 4.0 |
| 0.0018     | 6.0  | 10.5 | 3.5  | 3.5 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.0  | 10.5 | 3.5 | 3.5 | 6.0  | 10.5 | 3.5 | 3.5 | 6.5  | 12.5 | 3.5 | 4.0 |
| 0.0020     | 6.0  | 10.5 | 3.5  | 3.5 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.0  | 10.5 | 3.5 | 3.5 | 6.0  | 10.5 | 3.5 | 3.5 | --   | --   | --  | --  |
| 0.0022     | 6.0  | 10.5 | 3.5  | 3.5 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.0  | 10.5 | 3.5 | 3.5 | 6.0  | 10.5 | 3.5 | 3.5 | 7.0  | 12.5 | 4.0 | 4.0 |
| 0.0027     | 6.0  | 10.5 | 3.5  | 3.5 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.0  | 10.5 | 3.5 | 3.5 | 6.0  | 10.5 | 3.5 | 3.5 | 7.0  | 12.5 | 4.0 | 4.0 |
| 0.0033     | 6.0  | 10.5 | 3.5  | 4.0 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.0  | 10.5 | 3.5 | 4.0 | 6.0  | 10.5 | 3.5 | 4.0 | 7.0  | 13.0 | 4.0 | 4.0 |
| 0.0039     | 6.0  | 10.5 | 3.5  | 4.0 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.0  | 10.5 | 3.5 | 4.0 | 6.0  | 10.5 | 3.5 | 4.0 | 8.0  | 13.0 | 4.5 | 4.5 |
| 0.0047     | 6.5  | 10.5 | 3.5  | 4.0 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.5  | 10.5 | 3.5 | 4.0 | 6.5  | 10.5 | 3.5 | 4.0 | 8.0  | 13.0 | 4.5 | 4.5 |
| 0.0056     | 6.5  | 10.5 | 4.0  | 4.0 | 6.5                 | 8.5  | 4.0  | 4.0  | 6.5  | 10.5 | 4.0 | 4.0 | 6.5  | 10.5 | 4.0 | 4.0 | 8.5  | 13.0 | 5.0 | 4.5 |
| 0.0068     | 7.0  | 10.5 | 4.0  | 4.0 | 6.5                 | 8.5  | 4.0  | 4.0  | 7.0  | 10.5 | 4.0 | 4.0 | 7.0  | 10.5 | 4.0 | 4.0 | 9.0  | 13.0 | 5.0 | 6.0 |
| 0.0082     | 7.0  | 10.5 | 4.0  | 4.0 | 7.0                 | 8.5  | 4.0  | 4.0  | 7.0  | 10.5 | 4.0 | 4.0 | 7.0  | 10.5 | 4.0 | 4.0 | 9.0  | 13.5 | 6.0 | 6.0 |
| 0.01       | 6.5  | 10.5 | 4.0  | 4.0 | 7.0                 | 8.5  | 4.0  | 4.0  | 6.5  | 10.5 | 4.0 | 4.0 | 7.5  | 12.5 | 4.0 | 4.5 | 9.0  | 13.5 | 6.0 | 6.0 |
| 0.012      | 7.0  | 10.5 | 4.0  | 4.0 | 6.5                 | 10.0 | 4.0  | 4.0  | 7.0  | 10.5 | 4.0 | 4.0 | 7.5  | 12.5 | 4.5 | 5.0 | 8.5  | 13.5 | 5.5 | 6.0 |
| 0.015      | 7.5  | 10.5 | 4.5  | 5.0 | 7.0                 | 10.0 | 4.0  | 4.0  | 7.5  | 10.5 | 4.5 | 5.0 | 8.0  | 13.0 | 5.5 | 6.0 | 9.5  | 13.5 | 5.5 | 6.0 |
| 0.018      | 7.5  | 10.5 | 4.5  | 5.0 | 7.0                 | 10.0 | 4.0  | 4.0  | 7.5  | 10.5 | 4.5 | 5.0 | 8.5  | 13.0 | 5.5 | 6.0 | 9.5  | 13.5 | 5.5 | 6.0 |
| 0.022      | 8.0  | 11.0 | 5.0  | 5.0 | 7.0                 | 10.0 | 4.0  | 4.5  | 8.0  | 11.0 | 5.0 | 5.0 | 9.5  | 13.5 | 5.5 | 7.0 | 11.0 | 13.5 | 6.5 | 7.0 |
| 0.027      | 8.5  | 11.0 | 5.5  | 5.0 | 7.5                 | 10.0 | 4.0  | 5.0  | 8.5  | 11.0 | 4.5 | 5.0 | 10.5 | 13.5 | 6.0 | 7.0 | 11.0 | 13.5 | 7.5 | 7.0 |
| 0.033      | 8.0  | 12.5 | 4.5  | 5.0 | 8.0                 | 10.5 | 4.5  | 5.0  | 8.0  | 12.5 | 4.5 | 5.0 | 10.5 | 13.5 | 6.0 | 7.0 | --   | --   | --  | --  |
| 0.039      | 8.5  | 13.0 | 5.0  | 5.0 | 8.0                 | 10.0 | 4.5  | 5.0  | 8.5  | 13.0 | 5.0 | 5.0 | 9.5  | 13.5 | 6.0 | 7.0 | 12.5 | 13.5 | 8.0 | 8.0 |
| 0.040      | 8.5  | 13.0 | 5.0  | 5.0 | 8.0                 | 10.0 | 4.5  | 5.0  | 8.5  | 13.0 | 5.0 | 5.0 | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.047      | 8.5  | 13.0 | 5.0  | 5.0 | 8.5                 | 10.5 | 5.0  | 5.5  | 8.5  | 13.0 | 5.0 | 5.0 | 11.5 | 13.5 | 7.0 | 7.5 | 13.5 | 14.0 | 8.5 | 8.0 |
| 0.056      | 9.0  | 13.5 | 5.5  | 6.0 | 9.0                 | 10.5 | 5.0  | 6.0  | 9.0  | 13.5 | 5.5 | 6.0 | 12.0 | 14.0 | 8.0 | 8.0 | --   | --   | --  | --  |
| 0.068      | 9.5  | 13.0 | 6.0  | 6.5 | 9.0                 | 11.0 | 5.5  | 6.0  | 9.5  | 13.0 | 6.0 | 6.5 | 12.5 | 13.5 | 8.0 | 8.0 | --   | --   | --  | --  |
| 0.082      | 10.0 | 13.5 | 6.0  | 6.5 | 9.5                 | 11.0 | 6.0  | 6.5  | 10.0 | 13.5 | 6.0 | 6.5 | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.1        | 10.5 | 13.5 | 6.0  | 7.0 | 10.5                | 11.0 | 6.5  | 6.5  | 11.0 | 13.5 | 6.0 | 7.0 | 12.5 | 17.0 | 8.5 | 8.0 | --   | --   | --  | --  |
| 0.12       | 10.5 | 13.5 | 6.0  | 7.0 | 10.5                | 11.5 | 7.0  | 7.0  | 11.5 | 14.0 | 7.0 | 7.0 | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.15       | 11.0 | 13.5 | 6.5  | 7.5 | 11.0                | 12.5 | 6.0  | 7.5  | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.18       | 11.5 | 14.0 | 7.5  | 7.5 | 11.5                | 13.5 | 7.0  | 8.0  | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.22       | 12.0 | 14.0 | 8.0  | 7.5 | 12.5                | 13.5 | 8.0  | 8.0  | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.27       | 13.0 | 15.5 | 8.5  | 7.5 | 13.0                | 14.0 | 9.0  | 8.5  | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.33       | 13.0 | 16.5 | 9.0  | 8.0 | 14.5                | 14.0 | 8.5  | 10.0 | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.39       | 13.5 | 16.5 | 9.0  | 8.0 | 15.5                | 14.0 | 9.0  | 10.5 | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |
| 0.47       | 15.5 | 16.5 | 10.0 | 8.5 | 16.5                | 14.5 | 10.0 | 11.5 | --   | --   | --  | --  | --   | --   | --  | --  | --   | --   | --  | --  |

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