

# MINIATURE SIZE METALLIZED POLYESTER FILM CAPACITOR

**Suntan®**

MINIATURE SIZE, MO-INDUCTIVE, EPOXY DIP COATED

# TS03

## FEATURES

- The small size can be compared favourably with the staked film capacitor
- Excellent self-healing property and reliability
- Low dissipation factor
- Epoxy resin powder coating provides the identical outer appearance.

## SPECIFICATIONS

|                       |                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------|
| RATED VOLTAGE         | DC 50/63V, 100V, 160V, 250V, 400V                                                                        |
| CAPACITANCE RANGE     | 0.001 TO 10 $\mu$ F                                                                                      |
| CAPACITANCE TOLERANCE | $\pm 5\%$ , $\pm 10\%$ , $\pm 20\%$                                                                      |
| INSULATION RESISTANCE | $C \leq 0.33\text{Mfd}$ , $\geq 18000\text{M}\Omega$<br>$C > 0.10\text{Mfd}$ : $\leq 1.0\%$ (20°C, 1kHz) |
| DISSIPATION FACTOR    | $C \geq 0.10\text{Mfd}$ : $\leq 0.8\%$<br>$C > 0.10\text{Mfd}$ : $\leq 1.0\%$ (20°C, 1kHz)               |
| CONSTRUCTION          | Metallized polyester film, epoxy resin coating                                                           |



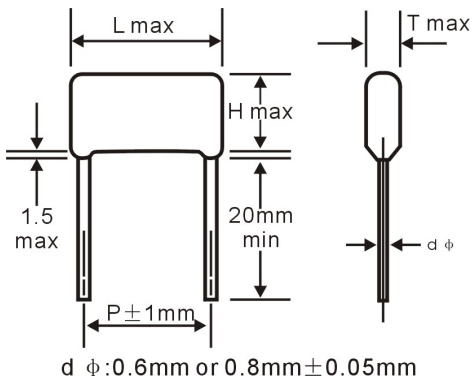
| VDC<br>Mfd | 50/63V |     |      |     |     | 100V |     |      |     |     |
|------------|--------|-----|------|-----|-----|------|-----|------|-----|-----|
|            | L      | T   | H    | d   | P   | L    | T   | H    | d   | P   |
| 0.01       | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.012      | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.015      | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.018      | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.022      | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.5  | 0.6 | 7.5 |
| 0.027      | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.033      | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.039      | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.047      | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.056      | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.068      | 7.3    | 4.5 | 8.0  | 0.6 | 5   | 7.3  | 4.5 | 8.0  | 0.6 | 5   |
|            | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.082      | 7.3    | 4.5 | 8.0  | 0.6 | 5   | 7.3  | 4.5 | 8.0  | 0.6 | 5   |
|            | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.1        | 7.8    | 5.5 | 9.5  | 0.6 | 5   | 7.3  | 4.5 | 9.5  | 0.6 | 5   |
|            | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.12       | 7.3    | 4.5 | 9.5  | 0.6 | 5   | 7.3  | 4.5 | 9.5  | 0.6 | 5   |
|            | 10.2   | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.15       | 8.0    | 5.0 | 10.0 | 0.6 | 5   | 8.0  | 5.0 | 10.0 | 0.6 | 5   |
|            | 10.2   | 4.5 | 9.0  | 0.6 | 7.5 | 10.5 | 4.5 | 9.0  | 0.6 | 7.5 |
| 0.18       | 8.0    | 5.0 | 10.0 | 0.6 | 5   | 8.0  | 5.0 | 10.5 | 0.6 | 5   |
|            | 10.2   | 4.5 | 9.0  | 0.6 | 7.5 | 10.5 | 4.5 | 9.0  | 0.6 | 7.5 |
| 0.22       | 8.0    | 5.0 | 10.0 | 0.6 | 5   | 8.0  | 5.5 | 11.0 | 0.6 | 5   |
|            | 10.2   | 5.0 | 9.5  | 0.6 | 7.5 | 10.5 | 5.0 | 9.5  | 0.6 | 7.5 |
| 0.27       | 8.0    | 5.0 | 10.0 | 0.6 | 5   | 8.0  | 6.0 | 11.5 | 0.6 | 5   |
|            | 10.2   | 5.5 | 9.5  | 0.6 | 7.5 | 11.0 | 5.5 | 10.0 | 0.6 | 7.5 |
| 0.33       | 8.0    | 5.0 | 10.0 | 0.6 | 5   | 8.0  | 6.5 | 12.0 | 0.6 | 5   |
|            | 10.2   | 5.5 | 9.5  | 0.6 | 7.5 | 11.0 | 5.5 | 11.5 | 0.6 | 7.5 |

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| VDC   | 160V |     |      |     |     | 250V |     |      |     |     | 400V |     |      |     |     |
|-------|------|-----|------|-----|-----|------|-----|------|-----|-----|------|-----|------|-----|-----|
| Mfd   | L    | T   | H    | d   | P   | L    | T   | H    | d   | P   | L    | T   | H    | d   | P   |
| 0.01  | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 10.2 | 4.5 | 8.0  | 0.6 | 7.5 | 10.2 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.012 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 10.2 | 4.5 | 8.0  | 0.6 | 7.5 | 10.2 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.015 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 10.2 | 4.5 | 8.0  | 0.6 | 7.5 | 10.2 | 4.5 | 8.0  | 0.6 | 7.5 |
| 0.018 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 10.2 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 5.0 | 9.0  | 0.6 | 7.5 |
| 0.022 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 10.2 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 5.5 | 10.0 | 0.6 | 7.5 |
| 0.027 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 10.2 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 5.5 | 10.5 | 0.6 | 7.5 |
| 0.033 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 10.5 | 4.5 | 9.5  | 0.6 | 7.5 | 11.0 | 6.0 | 11.5 | 0.6 | 7.5 |
| 0.039 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 4.5 | 9.0  | 0.6 | 7.5 | 11.0 | 6.5 | 12.5 | 0.6 | 7.5 |
| 0.047 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 5.0 | 9.5  | 0.6 | 7.5 | 11.0 | 7.0 | 13.0 | 0.6 | 7.5 |
| 0.056 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 5.5 | 10.0 | 0.6 | 7.5 | 11.0 | 7.5 | 13.5 | 0.6 | 7.5 |
| 0.068 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 5.5 | 10.5 | 0.6 | 7.5 | 11.0 | 7.5 | 14.0 | 0.6 | 7.5 |
| 0.082 | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 5.5 | 11.0 | 0.6 | 7.5 | --   | --  | --   | --  | --  |
| 0.1   | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 6.0 | 11.5 | 0.6 | 7.5 | --   | --  | --   | --  | --  |
| 0.12  | 10.5 | 4.5 | 8.0  | 0.6 | 7.5 | 11.0 | 6.5 | 12.0 | 0.6 | 7.5 | --   | --  | --   | --  | --  |
| 0.15  | 10.5 | 4.5 | 9.0  | 0.6 | 7.5 | 11.0 | 7.0 | 12.5 | 0.6 | 7.5 | --   | --  | --   | --  | --  |
| 0.18  | 10.5 | 5.0 | 9.5  | 0.6 | 7.5 | 11.0 | 7.5 | 13.0 | 0.6 | 7.5 | --   | --  | --   | --  | --  |
| 0.22  | 11.0 | 5.5 | 10.0 | 0.6 | 7.5 | 11.0 | 8.0 | 14.0 | 0.6 | 7.5 | --   | --  | --   | --  | --  |
| 0.27  | 11.0 | 5.5 | 11.0 | 0.6 | 7.5 | --   | --  | --   | --  | --  | --   | --  | --   | --  | --  |
| 0.33  | 11.0 | 6.0 | 11.5 | 0.6 | 7.5 | --   | --  | --   | --  | --  | --   | --  | --   | --  | --  |

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