

# TS25-10

## FEATURES

- Metal case, Square, Heteropolarity.
- Commingled by Electrolytic Tantalum Capacitor and Electrochemical Capacitor, Small size, Super Capacitance
- Stable in Electrical Performances, High Reliability, Long life-span, Maximum in the Density of Capacitance and Energy
- Built-in as battery in Energy-converted-circuit & Power-pulsed-circuit, functioned as filtering, storage energy, time-delay circuit.

## SPECIFICATIONS

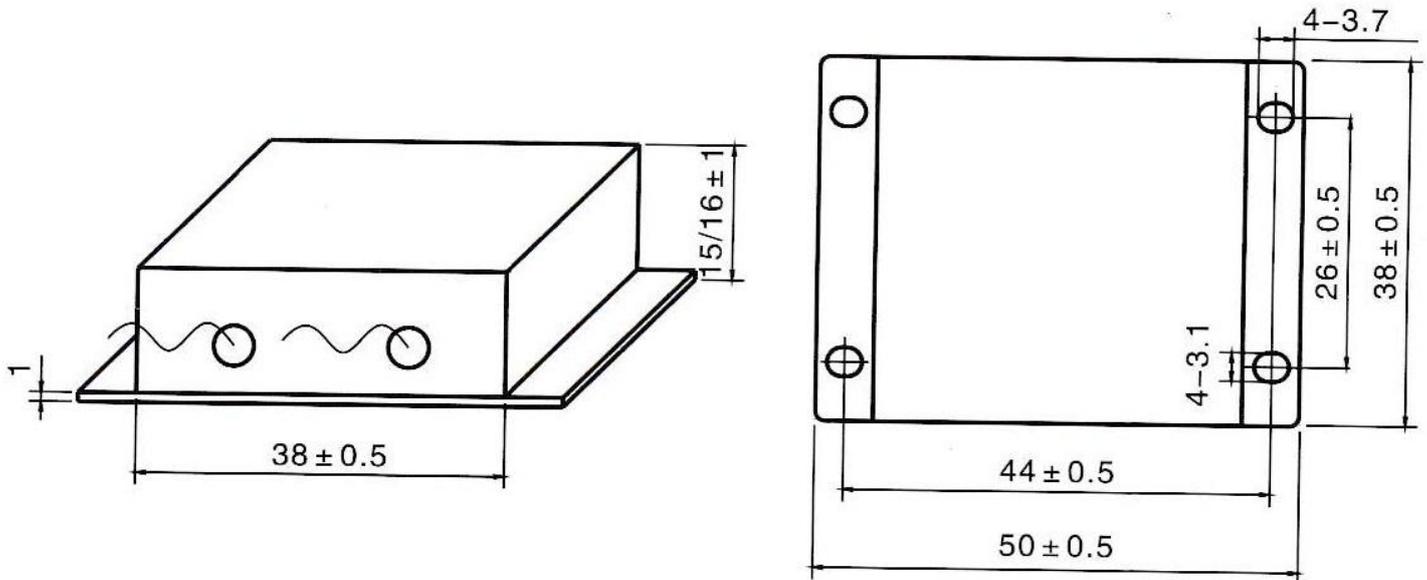
|                       |  |
|-----------------------|--|
| Operating Temperature | -55°C to +125°C (to +125°C, with rated voltage derating) |
| Storage Temperature   | -62°C ~ +130°C   |
| Capacitance Tolerance | M: (±20%)  |



## Electrical Characteristics

| Rated Voltage (V) | Category Voltage (V) | Surge Voltage (V) | Cap. (µF) | tgδ (%) 100Hz | ESR (Ω) 1kHz | DCL (µA) |             | Impedance at (Ω) -55°C | Capacitance Change at (%) |      | Dimensions |
|-------------------|----------------------|-------------------|-----------|---------------|--------------|----------|-------------|------------------------|---------------------------|------|------------|
|                   |                      |                   |           |               |              | 25°C     | 85°C, 125°C |                        | -55°C                     | 85°C | DxH (mm)   |
| 50                | 30                   | 55                | 8000      | 65            | 0.1          | 170      | 1000        | 1.2                    | -40                       | +120 | 50x38x15   |
| 50                | 30                   | 55                | 11000     | 65            | 0.1          | 300      | 2400        | 1.2                    | -60                       | +120 | 50x38x16   |

## Dimensions (unit: mm)



### Note:

1. Please do not use multimeter through the measuring procedures (may cause irreversible damage and lead to discard).
2. Capacitance and DF measured at 100Hz,  $U = 2.20^{0.1} V$ ,  $U = 1.0^{0.05} V$  Test only applied in series equivalent circuit.
3. Voltage derating is applied at +125°C. (The DCL parameter should be read after 5 minutes when it connected to the circuit).
4. Special size and demand could consult with us.

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