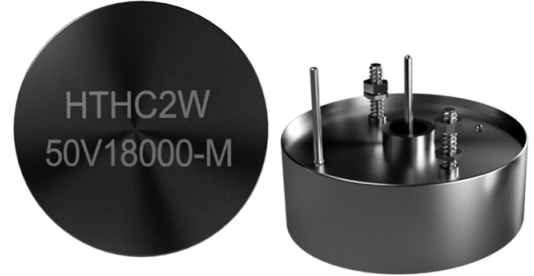


Hybrid Tantalum Capacitor - HTHC2W Series

◆Features:

1. All tantalum shell, hermetic, cylindrical, lead out in the same direction, polarized, with screw nail structure, easy to install.
2. The product is a hybrid capacitor composed of tantalum electrolytic capacitors and electrochemical capacitors. It is the first innovative product in China with small size and large energy storage.
3. Excellent and stable electrical performance, high reliability, long life, energy per unit volume high density and larger capacity than THC1W series.
4. In the energy conversion circuit, it can act as a battery, providing energy storage for the circuit, power-off delay and other functions.
5. A represents the lead form, including type A and type B.



◆Specifications:

1. Operating Temperature Range: -55°C~ +125°C. For the Derated Design please see guide line on page 3~5
2. Capacitance Tolerance: Q: -10% ~ +30%, K: ± 10%, M: ± 20%
3. Storage temperature: -62°C~ +130°C

◆Electrical Characteristics

Table 1 Rated Voltage, Category Voltage, Surge Voltage, Nominal Capacitance and Main Features

| Rated Voltage(V) | Category Voltage(V) | Surge Voltage(V) | Nominal Capacitance (μF) | tg δ (%) | ESR (Ω) 1kHz | Leakage Current (μA) | | | Impedance 100Hz | Capacitance Variation(%) | | Dimension D X H (mm) | Max Weight (g) |
|------------------|---------------------|------------------|--------------------------|----------|--------------|----------------------|------|-------|-----------------|--------------------------|----------|----------------------|----------------|
| | | | | | | 25°C | 85°C | 125°C | 55°C | 55°C | 85°C | | |
| 10 | 6 | 11 | 100000 | 180 | 0.035 | 300 | 1800 | 1 | -80 | 160 | 35.5×12 | 75 | |
| | | | 150000 | | 0.025 | | | | | | 35.5×16 | 100 | |
| 16 | 9.5 | 17.6 | 60000 | 165 | 0.035 | 300 | 1800 | 1 | -80 | 160 | 35.5×12 | 75 | |
| | | | 90000 | | 0.025 | | | | | | 35.5×16 | 100 | |
| 25 | 15 | 27.5 | 36000 | 130 | 0.04 | 300 | 1800 | 1 | -75 | 160 | 35.5×12 | 75 | |
| | | | 54000 | | 0.035 | | | | | | 35.5×16 | 100 | |
| 35 | 20 | 38.5 | 24000 | 95 | 0.04 | 300 | 1800 | 1 | -70 | 160 | 35.5×12 | 75 | |
| | | | 36000 | | 0.035 | | | | | | 35.5×16 | 100 | |
| 50 | 30 | 55 | 11000 | 65 | 0.1 | 300 | 2400 | 1.2 | -60 | 120 | 35.5× 10 | 62 | |
| | | | 12000 | 65 | 0.1 | 300 | 2400 | | -60 | 120 | 35.5× 12 | 75 | |
| | | | 16000 | 70 | 0.04 | 400 | 2400 | | -55 | 135 | 35.5× 12 | 75 | |
| | | | 18000 | 70 | 0.04 | 400 | 2400 | | -55 | 135 | 35.5× 12 | 78 | |
| | | | 24000 | 70 | 0.35 | 400 | 2400 | | -55 | 135 | 35.5× 16 | 100 | |
| 63 | 38 | 70 | 8000 | 50 | 0.04 | 400 | 2400 | 1.4 | -45 | 90 | 35.5×12 | 75 | |
| | | | 12000 | | 0.035 | | | | | | 35.5×16 | 100 | |
| 80 | 48 | 88 | 5600 | 40 | 0.06 | 500 | 3000 | 1.6 | -40 | 90 | 35.5×12 | 80 | |
| | | | 8200 | | 0.04 | | | | | | 35.5×16 | 100 | |
| 100 | 60 | 110 | 2400 | 35 | 0.08 | 500 | 3000 | 1.8 | -30 | 80 | 35.5×12 | 80 | |
| | | | 3800 | | 0.05 | | | | | | 35.5×12 | 80 | |
| | | | 3600 | | 0.05 | | | | | | 35.5×16 | 110 | |
| | | | 5700 | | 0.05 | | | | | | 35.5×16 | 110 | |