

Hybrid Tantalum Capacitor - HTHC2W3 Series

◆Features:

- 1. All tantalum shell, airtight, cylindrical, lead out in the same direction, polarized, 3 screws with 120° angle structure, easy to install.
- 2. The product is a hybrid capacitor composed of tantalum electrolytic capacitors and electrochemical capacitors, which is small in size and large in energy storage, and is the first innovative product in China.
- 3. Excellent and stable electrical performance, high reliability, long life, high energy density per unit volume, and larger capacity than THC1W type.
- 4. In the energy conversion circuit, it can act as a battery, providing the circuit with functions such as energy storage, power-off delay, etc.



◆Specifications:

- 1. Operating Temperature Range: -55°C~ +125°C. For the Derated Design please see guide line on page 2~4
- 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 max(μA)		Impedance max (Ω) 100Hz -55°C	Capacitance Variation(%)		Dimension D X H (mm)	Height of screw h (mm)	Negative pole height h1	Max Weight (g)
						25°C	85°C		55°C	85°C				
50	30	55	24000	70	0.035	400	2400	1.2	-55	135	35.5×16	8±0.5	6±0.5	100
75	45	82.5	3000	20	0.06	200	1200	1.6	-15	30	35.5×10	8±0.5	12min	65
75	45	82.5	10000	40	0.06	500	3000	1.6	-45	95	35.5×16	8±0.5	14±0.5	110
80	40	88	5600	40	0.06	500	3000	1.6	-40	90	35.5×12	6-0.5	6±0.5	78