

Hybrid Tantalum Capacitor - HTHC1 Series

◆Features:

1. All tantalum shell, airtight, cylindrical, lead out in the same direction, polarized.
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, and internal energy per unit volume.
4. Can act as a battery in the energy conversion circuit, providing storage for the circuit function, power-off delay and so on.
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 4~6
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	Capacitance Variation(%)		Dimension D X H (mm)	Max Weight (g)
						25°C	85°C	125°C		55°C	85°C		
10	6	11	8000	80	0.3	100	600	8	8	-80	160	22×8	28
16	9.5	17.6	7000	70	0.3	125	750	8	8	-80	160	22×8	28
25	15	27.5	5000	60	0.3	150	900	8	8	-75	150	22×8	28
35	20	38.5	3500	50	0.3	150	900	8	8	-70	140	22×8	28
50	30	55	2500	46	0.3	155	930	9.6	9.6	-60	120	22×8	28
63	38	70	1200	35	0.4	85	510	11.2	11.2	-50	80	22×8	28
80	48	88	860	30	0.4	90	540	12.8	12.8	-40	80	22×8	28
100	60	110	400	25	0.5	25	150	14.4	14.4	-30	60	22×8	28
110	66	121	200	20	0.5	25	150	16	16	-25	50	22×8	28
125	75	138	160	20	0.6	25	150	19.2	19.2	-20	50	22×8	28