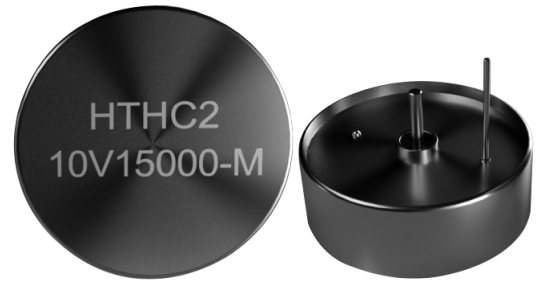


Hybrid Tantalum Capacitor - HTHC2 Series

◆Features:

1. All Tantalum Case, Hermetically Sealed, Cylindrical. Co-directed, Polar.
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 large capacity than THC1 type.
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 150000	180	0.035 0.025	300	1800	1	-80	160	35.5×12 35.5×16	75 100	
16	9.5	17.6	60000 90000	165	0.035 0.025	300	1800	1	-80	160	35.5×12 35.5×16	75 100	
25	15	27.5	36000 54000	130	0.04 0.035	300	1800	1	-75	160	35.5×12 35.5×16	75 100	
35	20	38.5	24000 36000	95	0.04 0.035	300	1800	1	-70	160	35.5×12 35.5×16	75 100	
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 12000	50	0.04 0.035	400	2400	1.4	-45	90	35.5×12 35.5×16	75 100	
80	48	88	5600 8200	40	0.06 0.04	500	3000	1.6	-40	90	35.5×12 35.5×16	80 100	
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	