

High Energy Tantalum Hybrid Capacitor With Mounting Flange - HTHC2F Series

◆Features:

1. Full tantalum shell, gas sealing, cylindrical, co directional lead out, polarized.
2. The product is a hybrid capacitor composed of tantalum electrolytic capacitors and electrochemical capacitors, which is the first innovative product in China.
3. Excellent and stable electrical performance, high reliability, long life, high energy density per unit volume, small size, and easy installation.
4. In the energy conversion circuit, it can act as a battery, providing functions such as energy storage and power-off delay for the circuit.



◆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 max(μA)			Impedance max (Ω) 100Hz		Capacitance Variation(%)		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	84	
16	9.5	17.6	60000	165	0.035	300	1800		1	-80	160	84	
25	15	27.5	36000	130	0.04	300	1800		1	-75	160	84	
35	20	38.5	24000	95	0.04	300	1800		1	-70	160	84	
50	30	55	12000	65	0.10	300	2400		1.2	-60	120	84	
			16000	70	0.04	400				-55	135	109	
63	38	70	8000	50	0.04	400	2400		1.4	-45	90	84	
80	48	88	5600	40	0.06	500	3000		1.6	-40	90	90	
100	60	110	2400	35	0.08	500	3000		1.8	-30	80	90	
			3800		0.05								
110	66	121	1200	35	0.08	500	3000		2	-25	60	90	
125	75	138	1100	30	0.08	500	3000		2.4	-25	50	90	
			2200		0.075								