

Energy Storage Tantalum Hybrid Capacitors - HTHC Series

◆Features:

1. Laser welding, gas sealing, full tantalum shell, cylindrical, co directional lead out, small size, large capacity, and long service life.
2. Large energy density per unit volume, which can generate batteries in the energy conversion circuit to provide energy storage, power off delay, and functions for electric claims.
3. Applicable to the First Research Institute of China Aerospace Science and Technology Corporation and other aerospace, aviation, electronics DC, pulsation and low ripple circuits of electronic equipment with high reliability .



◆Specifications:

1. Operating Temperature Range: -55°C~ +125°C. For the Derated Design please see guide line on page 2~4
2. Capacitance Tolerance: M: ± 20%
3. Storage temperature: -62 °C ~ +130 °C

◆Electrical Characteristics

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

Specification	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	55°C	85°C		
HTHC1010M503H	10	6	11	50000	180	0.050	150	2100	1.0	-80	160	36×10	68	
HTHC1016M303H	16	9.5	17.6	30000	160	0.050	150	2100	1.0	-80	160	36×10	68	
HTHC1025M183H	25	15	27.5	18000	120	0.050	150	2100	1.0	-75	150	36×10	68	
HTHC1035M113H	35	20	38.5	11000	90	0.065	150	2100	1.0	-70	140	36×10	68	
HTHC1050M802H	50	30	55	8000	65	0.100	170	2720	1.2	-60	120	36×10	68	
HTHC1063M402H	63	38	70	4000	45	0.100	170	2720	1.4	-50	80	36×10	68	
HTHC1080M282H	80	48	88	2800	40	0.100	200	3200	1.6	-40	80	36×10	68	
HTHC1100M192H	100	60	110	1900	35	0.125	200	3200	1.8	-30	60	36×10	68	
HTHC1110M152H	110	65	121	1500	35	0.200	200	3200	2.0	-25	50	36×10	68	
HTHC1125M112H	125	75	137.5	1100	35	0.200	200	3200	2.4	-20	50	36×15	125	