

# Hybrid Tantalum Capacitor - HTHC1W Series

## ◆Features:

1. Tantalum Case, Hermetically Sealed, Cylindrical, Radial,  
Polarized, With Screws Structure, Easily Mounting.
2. Commingled by Electrolytic Tantalum Capacitor and  
Electrochemical Capacitor Small size, Super Capacitance.  
This Series Product Is Firstly Witnessed.
3. Stable in Electrical Performances, High Reliability, Long  
Life-span, Maximum in the Density of Capacitance and Energy.
4. Built-in as ABattery in Energy-conversed-circuit, Functioned as  
Storage Energy, Blackout & Delaying.
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, Nominal Capacitance, and Main Characteristics

Rated Voltage(V)	Category Voltage(V)	Surge Voltage(V)	Nominal Capacitance (μF)	tg δ max (%)	ESR max(Ω) 1kHz	Leakage Current max(μA)			Impedance max (Ω) 100Hz	Capacitance Variation(%)		Dimension D X H (mm)	Max Weight (g)
				100HZ									
				25°C	25°C	25°C	85°C	125°C	-55°C	-55°C	85°C		
10	6	11	8000	80	0.3	100	600		8	-80	160	22×8	28
16	9.5	17.6	7000	70	0.3	125	750		8	-80	160	22×8	28
25	15	27.5	5000	60	0.3	150	900		8	-75	150	22×8	28
35	20	38.5	3500	50	0.3	150	900		8	-70	140	22×8	28
50	30	55	2500	46	0.3	155	930		9.6	-60	120	22×8	28
63	38	70	1200	35	0.4	85	510		11.2	-50	80	22×8	28
80	48	88	860	30	0.4	90	540		12.8	-40	80	22×8	28
100	60	110	400	25	0.5	25	150		14.4	-30	60	22×8	28
110	66	121	200	20	0.5	25	150		16	-25	50	22×8	28
125	75	138	160	20	0.6	25	150		19.2	-20	50	22×8	28