



# ELECTROLYTIC CAPACITOR- EHP Series

## EHP Series



- 1.Has characteristics of high temperature 105°C, 2000 hours assured life high ripple current and high reliability.
- 2.Suitable for filter of industrial equipment such as automatic machines and computers , etc.

### Characteristics:

Voltage Range	16~100V	160~450V																						
Capacitance Range	100~47000μF	47~47μF																						
Temperature	-40~+105°C	-25~+105°C																						
Capacitance Tolerance	+20%-20%(at 20°C, 120Hz)																							
Leakage Current	I=																							
Dissipation Factor(tan δ)	<table border="1"> <tr> <td>Rated voltage</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>60</td> <td>100~450</td> </tr> <tr> <td>Dissipation factor</td> <td>0.55</td> <td>0.45</td> <td>0.35</td> <td>0.3</td> <td>0.25</td> <td>0.20</td> <td>0.15</td> </tr> </table>								Rated voltage	10	16	25	35	50	60	100~450	Dissipation factor	0.55	0.45	0.35	0.3	0.25	0.20	0.15
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Dissipation factor	0.55	0.45	0.35	0.3	0.25	0.20	0.15																	
(at 20°C, 120HZ)																								
Low Temperature characteristics	Impedance ratio at 120Hz between the -25°C or -40°C value and 20°C value shall not exceed the values given below.																							
	Rated voltage	6.3~16	25	35	50.63	100	160~400	450																
	Z-25°C/Z20°C	4	3	3	2	2	4	8																
	Z-40°C/Z20°C	15	10	8	6	5	-	-																
Load Life	The following specifications shall satisfied when the capacitors are restored to 20°C after rated working voltage applied for 2,000 hours at max. operating temperature with the rated ripple current																							

	<p>applied.</p> <p>capacitance change <math>\leq \pm 20\%</math> of the initial value.</p> <p>Dissipation factor <math>\leq \pm 200\%</math> of the initial specified value.</p> <p>Leakage current <math>\leq</math> The initial specified value.</p>
0Shelf Life	After storage for 1000 hours at 105°C with no voltage applied, the capacitor shall meet the specified limit in load life.

**EHP Series** (Standard Products Table)

W.V(DC)	CAP( $\mu$ F)	Ripple Current A max. 105°C, 120Hz	Dimensions A		Dimensions B		Dimensions C	
			D $\psi$	L	D $\psi$	L	D $\psi$	L
16	6800	1.55	22	25	-		-	
	10000	1.95	22	30	25	25	-	
	15000	2.55	22	40	25	35	-	
	22000	3.3	25	45	30	35	-	
	33000	4.25	30	45	35	35	-	
	47000	5.45	35	45	-		-	
25	4700	1.5	22	25	25	25	-	
	6800	1.85	22	30	25	35	-	
	10000	2.40	22	40	30	35	30	30
	15000	3.15	25	45	35	35	-	
	22000	3.80	30	45	-		-	
	33000	5.40	35	50	-		-	
35	3300	1.40	22	25	25	25	30	30
	4700	1.80	22	30	25	35	-	
	6800	2.20	22	40	30	35	-	
	10000	2.85	25	45	35	35	-	
	15000	3.65	30	45	-		-	
	22000	4.90	35	50	-		-	
50	2200	1.55	22	30	25	25	-	
	3300	1.85	22	35	25	30	-	
	4700	2.45	22	45	25	40	30	30

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	6800	3.25	25	50	30	40	-	
	10000	4.00	30	50	-		-	
	15000	4.80	35	50	-		-	
63	2200	1.70	22	35	25	30	-	
	3300	2.10	22	50	25	40	30	30
	4700	2.80	25	50	30	40		
	6800	3.65	30	50	35	40		
	10000	4.40	35	50	-		-	
100	470	1.05	22	25	-		-	
	680	1.20	22	25	-		-	
	1000	1.50	22	35	25	30	-	
	1500	1.95	22	45	25	40	30	30
	2200	2.55	25	50	30	40	-	
	3300	3.25	30	50	35	40	-	
	4700	3.80	35	50	-		-	