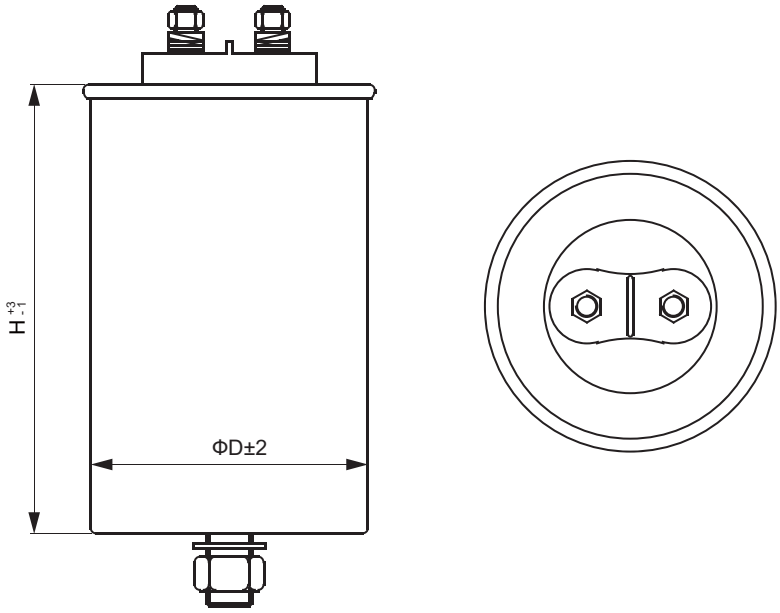
HCAC

AC Oil-filled Filter Capacitor

Features

- Suitable for AC filter circuit in power electronic equipment
- Withstand high harmonic current, peak current and peak voltage
- Self-healing property, excellent stable performance and reliability
- Explosion-proof design, more safety

Outline Drawing



Note: The dimensions of the product are in mm units.
Outline dimensions can be found in the Product Dimensions Table.

Specifications

Reference Standard		GB/T 17702 (IEC 61071)
Rated Voltage U_N		250Va.c.~600Va.c.
Capacitance Range		20μF~600μF
Rated Frequency (f_N)		50/60Hz
Capacitance Tolerance		±5%(J), ±10%(K)
Voltage Proof	Between terminals	2.15U_N (50/60Hz),10s
	Between terminals and case	3600Va.c. (50/60Hz),10s
Insulation Resistance (IR×C_N)		⩾10000s (20℃,100Vd.c.,60s)
Dielectric Dissipation Factor (tanδ_d)		0.0002 (1Hz,20℃)
Climatic Category		40/70/56
Operating Temperature Range (θ_{hs})		-40℃~85℃
Max Altitude		2000m
Expected Lifetime		60000h@U_N,Θhs⩽70℃
Mounting Position		Terminals upright

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
H	C	A	C	/												(	×	×	×	)

Series code

AC rated voltage

E2=250V
R2=350V
S9=425V
H2=500V
T1=540V
U1=600V

Rated capacitance value

For example:
1906=190×10⁶pF
=190μF

Capacitance tolerance

J=±5%
K=±10%

Outline dimension code

See table 1

Resistor inside

0: No
1: Yes

Internal code

0=(Standard part)

Internal code

To identifiy when the special requirements needed

Table 1 Outline Dimensions Code

Code	D±1 mm	H±3 mm	Code	D±1 mm	H±3 mm
14	76	85	2E	86	170
15	76	95	2J	86	200
18	76	120	2L	86	220
19	76	130	2N	86	240
1B	76	145	2P	86	250
1E	76	170	3N	96	240
1J	76	200	4N	106	240

Outline Dimensions

250Va.c.							
C_N (μF)	D±1 mm	H±3 mm	P±1.5 mm	I_{max} (A)	Î (kA)	Îs (kA)	Ordering Information
150	76	120	30	30	2.3	7.0	HCAC/E21506-18*0
160	76	120	30	32	2.5	7.5	HCAC/E21606-18*0
180	76	130	30	31	2.4	7.3	HCAC/E21806-19*0
200	76	130	30	33	2.7	8.2	HCAC/E22006-19*0
230	76	145	30	33	2.5	7.5	HCAC/E22306-1B*0
240	76	145	30	35	2.6	7.8	HCAC/E22406-1B*0
300	76	200	30	52	2.2	6.5	HCAC/E23006-1J*0
350	76	200	30	55	2.5	7.6	HCAC/E23506-1J*0
400	86	200	30	57	3.6	10.9	HCAC/E24006-2J*0
500	86	220	30	63	3.8	11.3	HCAC/E25006-2L*0
600	86	250	30	63	3.8	11.5	HCAC/E26006-2P*0

Notes：1）"-"=capacitance tolerance code, J=±5%,K=±10%；
2）"*" =Whether internal resistor included，0=No，1=Yes.

Outline Dimensions

350Va.c.							
C_N (μF)	D±1 mm	H±3 mm	P±1.5 mm	I_{max} (A)	Î (kA)	Îs (kA)	Ordering Information
100	76	120	30	29	1.9	5.7	HCAC/R21006-18*0
120	76	120	30	30	2.3	6.9	HCAC/R21206-18*0
140	76	145	30	31	1.8	5.5	HCAC/R21406-1B*0
150	76	145	30	29	2.0	5.9	HCAC/R21506-1B*0
160	76	145	30	31	2.1	6.3	HCAC/R21606-1B*0
170	76	145	30	33	2.2	6.7	HCAC/R21706-1B*0
200	76	200	30	49	1.7	5.2	HCAC/R22006-1J*0
230	76	200	30	51	2.0	6.0	HCAC/R22306-1J*0
240	76	200	30	53	2.1	6.3	HCAC/R22406-1J*0
250	86	200	30	54	2.8	8.3	HCAC/R22506-2J*0
300	86	200	30	59	3.3	9.9	HCAC/R23006-2J*0
350	86	220	30	62	3.1	9.4	HCAC/R23506-2L*0
425Va.c.							
C_N (μF)	D±1 mm	H±3 mm	P±1.5 mm	I_{max} (A)	Î (kA)	Îs (kA)	Ordering Information
90	76	120	30	28	1.8	5.5	HCAC/S99005-18*0
95	76	120	30	30	2.0	5.9	HCAC/S99505-18*0
110	76	145	30	33	1.7	5.2	HCAC/S91106-1B*0
120	76	145	30	34	1.9	5.7	HCAC/S91206-1B*0
200	76	200	30	48	1.9	5.7	HCAC/S92006-1J*0
280	86	200	30	53	2.6	7.9	HCAC/S92806-2J*0
300	86	220	30	53	2.9	8.7	HCAC/S93006-2L*0
500Va.c.							
C_N (μF)	D±1 mm	H±3 mm	P±1.5 mm	I_{max} (A)	Î (kA)	Îs (kA)	Ordering Information
50	76	120	30	29	1.2	3.5	HCAC/H25005-18*0
60	76	120	30	30	1.4	4.2	HCAC/H26005-18*0
70	76	120	30	34	1.6	4.9	HCAC/H27005-18*0
90	76	145	30	32	1.6	4.9	HCAC/H29005-1B*0

Notes: 1）"-"=capacitance tolerance code,J=±5%,K=±10%;
2）"*" =Whether internal resistor included,0=No,1=Yes.

Outline Dimensions

500Va.c.							
C_N (μF)	D±1 mm	H±3 mm	P±1.5 mm	I_{max} (A)	Î (kA)	Îs (kA)	Ordering Information
140	76	200	30	49	1.5	4.5	HCAC/H21406-1J*0
160	76	200	30	52	1.7	5.2	HCAC/H21606-1J*0
200	86	200	30	57	2.2	6.5	HCAC/H22006-2J*0
230	86	220	30	58	2.6	7.7	HCAC/H22306-2L*0
540Va.c.							
C_N (μF)	D±1 mm	H±3 mm	P±1.5 mm	I_{max} (A)	Î (kA)	Îs (kA)	Ordering Information
25	76	85	30	23	0.8	2.3	HCAC/T12505-14*0
35	76	95	30	27	0.8	2.5	HCAC/T13505-15*0
45	76	120	30	32	1.8	5.4	HCAC/T14505-18*0
60	76	145	30	31	1.8	5.4	HCAC/T16005-1B*0
80	76	170	30	52	1.8	5.3	HCAC/T18005-1E*0
100	86	170	30	57	2.2	6.6	HCAC/T11006-2E*0
140	86	240	30	57	2.7	8.1	HCAC/T11406-2N*0
190	96	240	30	61	3.7	11.0	HCAC/T11906-3N*0
240	106	240	35	66	4.6	13.9	HCAC/T12406-4N*0
600Va.c.							
C_N (μF)	D±1 mm	H±3 mm	P±1.5 mm	I_{max} (A)	Î (kA)	Îs (kA)	产品订货标记
22	76	85	30	22	0.7	2.2	HCAC/U12205-14*0
30	76	95	30	26	0.8	2.4	HCAC/U13005-15*0
45	76	145	30	35	1.5	4.5	HCAC/U14505-1B*0
65	76	170	30	43	1.6	4.7	HCAC/U16505-1E*0
85	86	170	30	47	2.1	6.2	HCAC/U18505-2E*0
120	86	240	30	57	2.6	7.7	HCAC/U11206-2N*0
150	96	240	30	63	3.2	9.6	HCAC/U11506-3N*0
190	106	240	35	70	4.1	12.2	HCAC/U11906-4N*0

Notes: 1）"-"=capacitance tolerance code, J=±5%,K=±10%;
2）"*" =Whether internal resistor included，0=No，1=Yes.