

HCAA

AC filter capacitor (Dry-type)



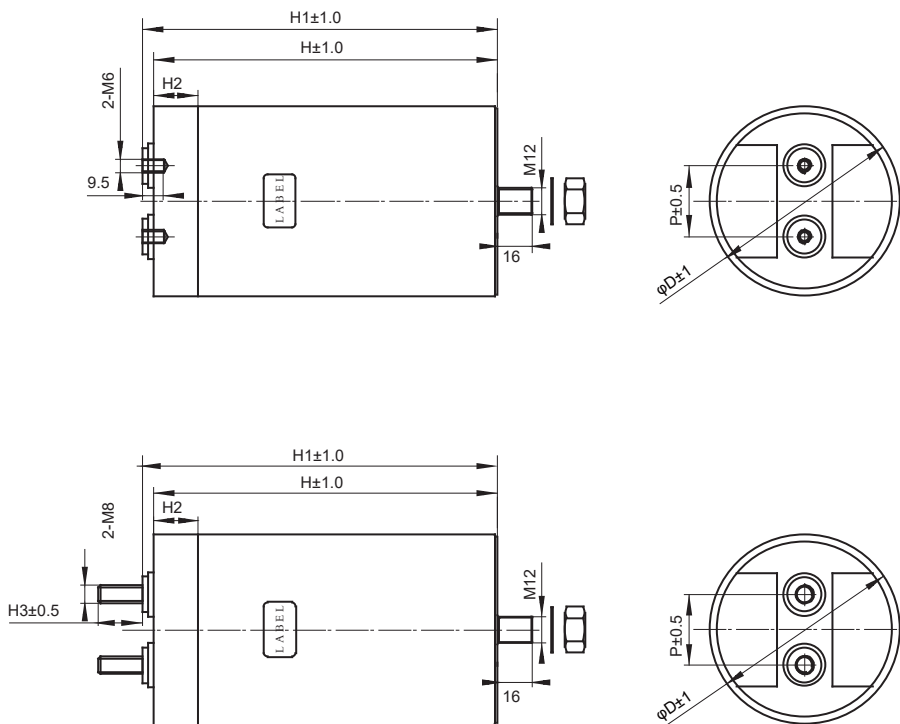
Features

- Particularly suit for AC filter circuit in power electric equipment
- Low ESR and ESL, have ability to withstand high r.m.s current and high peak voltage
- Self-healing property
- Excellent stable performance and reliability
- Dry type design, installation is more flexible

Safety Approvals

	UL/CUL	UL810 CSA C22.2 NO.190	15µF-600µF,max 690Va.c. max 90°C File No.: E222132,CCN:CZDS2/8
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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 RMS voltage (U_{rms})		250Va.c.~600Va.c.
Rated frequency (f_N)		50/60Hz
Operating Temperature Range		-40°C ~ 85°C ($\Theta_{hs} \leq 85^\circ\text{C}$)
Climate category		40/70/56
Capacitance tolerance		$\pm 5\%$ (J), $\pm 10\%$ (K)
Voltage Proof	Between terminals	$2.15U_{rms}$ or $1.5U_N$ (10s, $20^\circ\text{C} \pm 5^\circ\text{C}$)
	Between terminals and case	3000Va.c. (10s, 50Hz, $20^\circ\text{C} \pm 5^\circ\text{C}$)
Insulation resistance($IR \times C_N$)		$\geq 3000s$ (20°C , 500Vdc, 60s)
$\tan \delta_d$		0.0002
$\tan \delta$		≤ 0.0045 (1kHz, $20^\circ\text{C} \pm 5^\circ\text{C}$)
Max. Altitude		2000m
Max. Torque of terminals		M6:5N.m M8:6N.m
Installation		Any Position
Expected lifetime		60,000h@ U_{rms} , $\Theta_{hs} \leq 70^\circ\text{C}$

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	C	A	A	/															(x	x	x)
Series code					Rated voltage		Rated capacitance value		Capacitance tolerance		Outline dimension code		Terminal code		Internal code		Special code						
					E2=250V Q1=300V R2=350V S2=450V H2=500V U1=600V		For example: 5004=500×10 ⁴ pF =5μF		J=±5% K=±10%		See table 1		See table 2		0=(Standard part)		To identify when the special requirements needed						

Table 1: Outline Dimension Code

Code	ΦD	Code	*h	H
1	76	1	55	75
2	86	3	80	100
3	96	6	100	120
4	106	7	116	136
□	□	A	135	155
□	□	B	145	165

Table 2: Outline Dimension Code

Digit 15		Digit 16		Digit 17		Digit 18	
Code	Terminal form	Code	Fixed style	Code	Length of lead wire	Code	Terminal specification
M	Bolt	1	Bottom-bolt M12 ($D \leq 96$)	0	20mm	0	M8(P=32, $D \leq 86$)
		2	Bottom-bolt M16 ($D \geq 106$)			1	M8(P=45, $D = 96$)
T	Screw	1	Bottom-screw M12($D \leq 96$)	1	9.5mm	2	M8(P=50, $D \geq 106$)
			Bottom-screw M16($D \geq 106$)			3	M6(P=32, $D \leq 86$)
		4	M6(P=45, $D = 96$)				
		5	M6(P=50, $D \geq 106$)				

Outline Dimensions

UN=350Va.c. Urms=250Va.c.					
C _N (μF)	D (mm)	H (mm)	I _{max} (A)	\hat{I} (A)	Ordering Information
100	76	75	14	890	HCAA/E21006-11****
120	76	75	17	1070	HCAA/E21206-11****
140	76	75	20	1250	HCAA/E21406-11****
150	76	100	32	1920	HCAA/E21506-13****
200	76	100	42	2560	HCAA/E22006-13****
250	76	100	53	3210	HCAA/E22506-13****
300	86	136	44	2690	HCAA/E23006-27****
350	86	136	52	3140	HCAA/E23506-27****
400	86	155	49	2990	HCAA/E24006-2A****
450	96	136	67	4040	HCAA/E24506-37****

Note: (1) "-"=capacitance tolerance code, J=±5%,K=±10%;
 (2) "****" =terminal code(see table 2)

Outline Dimensions

U _N =350Va.c. U _{rms} =250Va.c.					
C _N (μF)	D (mm)	H (mm)	I _{max} (A)	Ī (A)	Ordering Information
500	96	155	62	3740	HCAA/E25006-3A****
550	96	155	68	4110	HCAA/E25506-3A****
600	96	155	66	3980	HCAA/E26006-3A****
U _N =420Va.c. U _{rms} =300Va.c.					
C _N (μF)	D (mm)	H (mm)	I _{max} (A)	Ī (A)	Ordering Information
80	76	75	14	860	HCAA/Q18005-11****
90	76	75	16	970	HCAA/Q19005-11****
100	76	100	25	1540	HCAA/Q11006-13****
120	76	100	30	1840	HCAA/Q11206-13****
150	86	100	38	2310	HCAA/Q11506-23****
200	86	136	35	2150	HCAA/Q12006-27****
250	86	136	44	2690	HCAA/Q12506-27****
300	96	136	53	3230	HCAA/Q13006-37****
350	96	155	52	3140	HCAA/Q13506-3A****
400	96	165	55	3310	HCAA/Q14006-3B****
U _N =490Va.c. U _{rms} =350Va.c.					
C _N (μF)	D (mm)	H (mm)	I _{max} (A)	Ī (A)	Ordering Information
80	76	75	15	930	HCAA/R28005-11****
100	86	75	19	1160	HCAA/R21006-21****
150	86	100	40	2450	HCAA/R21506-23****
200	86	136	38	2330	HCAA/R22006-27****
250	86	155	40	2430	HCAA/R22506-2A****
260	96	136	50	3030	HCAA/R22606-37****
300	96	155	48	2920	HCAA/R23006-3A****
350	96	165	52	3140	HCAA/R23506-3B****

Note: (1) "-"=capacitance tolerance code, J=±5%,K=±10%;
 (2) "****" =terminal code(see table 2)

Outline Dimensions

UN=630Va.c. Urms=450Va.c.					
C _N (μF)	D (mm)	H (mm)	I _{max} (A)	Î (A)	Ordering Information
60	76	75	12	750	HCAA/S26005-11****
70	76	75	14	880	HCAA/S27005-11****
100	76	100	29	1790	HCAA/S21006-13****
150	86	120	34	2090	HCAA/S21506-26****
200	86	155	34	2090	HCAA/S22006-2A****
220	96	136	46	2760	HCAA/S22206-37****
270	96	155	47	2830	HCAA/S22706-3A****
300	96	165	48	2900	HCAA/S23006-3B****
UN=700Va.c. Urms=500Va.c.					
C _N (μF)	D (mm)	H (mm)	I _{max} (A)	Î (A)	Ordering Information
50	76	75	11	710	HCAA/H25005-11****
70	76	100	23	1430	HCAA/H27005-13****
100	86	100	34	2050	HCAA/H21006-23****
140	86	136	33	2010	HCAA/H21406-27****
160	86	155	31	1910	HCAA/H21606-2A****
200	96	155	39	2390	HCAA/H22006-3A****
220	96	155	40	2430	HCAA/H22206-3A****
UN=840Va.c. Urms=600Va.c.					
C _N (μF)	D (mm)	H (mm)	I _{max} (A)	Î (A)	Ordering Information
20	76	75	9	1100	HCAA/U12005-11****
40	76	120	18	2200	HCAA/U14005-16****
30	86	75	13	1650	HCAA/U13005-21****
60	86	120	27	3300	HCAA/U16005-26****
90	86	165	27	3330	HCAA/U19005-2B****
75	96	120	34	4130	HCAA/U17505-36****
100	96	165	30	3700	HCAA/U11006-3B****
110	96	165	33	4070	HCAA/U11106-3B****

Note: (1) "-"=capacitance tolerance code, J=±5%,K=±10%;
 (2) "****" =terminal code(see table 2)