HCDA

DC-LINK Capacitor(Dry-type,Aluminum Case)

Features

- Metallized polypropylene film structure
- Excellent self-healing performance
- Low ESR and low ESL
- Aluminum case, filled with resin
- Long lifetime
- Used in DC-Link circuit, can replace electrolytic capacitor

Typical Applications

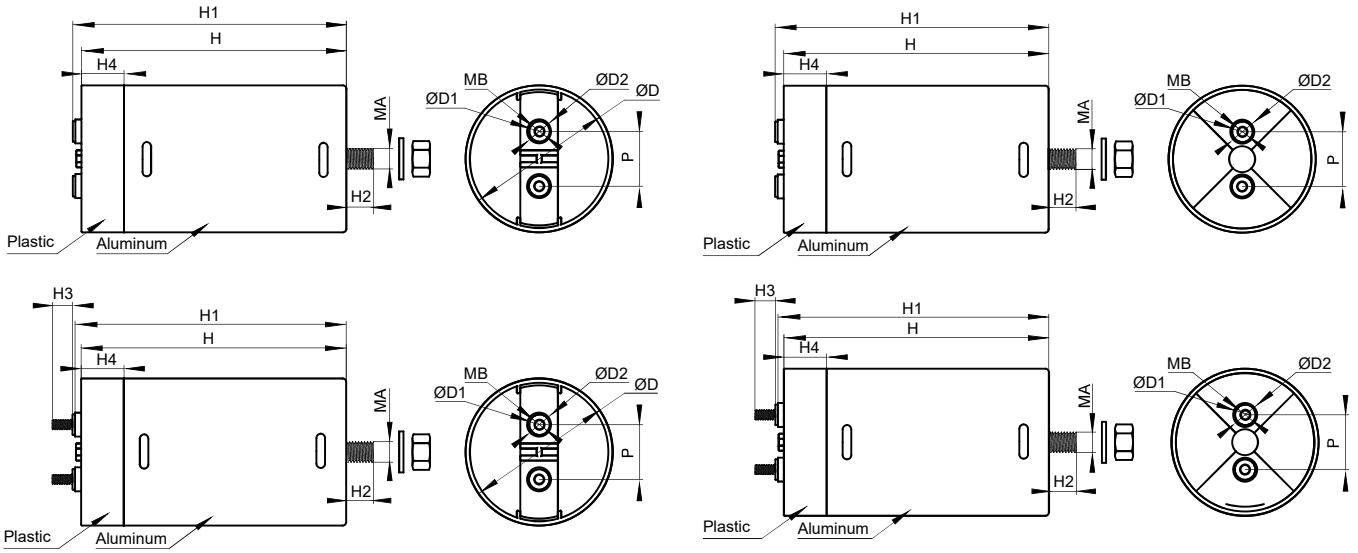
- Voltage stabilization, smoothing bus voltage
- Energy storage, buffering energy
- Filtering, protecting power devices

Safety Approvals

	UL	UL810	10μF-5500μF,max 4000Vd.c. max 90℃ File No.: E222132,CCN:CZDS2
	TÜV	IEC 61071	20μF-5500μF,max 4000Vd.c.,max 85℃ File No.: R 50719417 0001
	CE	IEC 61071	90μF-5500μF,max 1500Vd.c.,max 85℃ File No.: R 50719547 0001

Notes: The above certificate No.is just a license No. Please refer to the certificates we supplied for detail information.

Outline Drawing



Notes: All product dimensions are in mm.
See the Technical Parameters table for details.

Dimensions Description

Unit: mm

D±1	Terminal Form	P±1	MB	D1	D2	H1±1	MA	H2±1	H3±1	H4±1
76	Thread-hole	32	M6	12	14	H+5	M12	16	—	25
86	Thread-hole	32	M6	12	14	H+5	M12	16	—	25
	Bolts	45	M8	16	20	H+5	M12	16	20	25
96	Thread-hole	45	M6	14	16	H+5	M12	16	—	25
	Bolts	45	M8	16	20	H+5	M12	16	20	25
116	Thread-hole	50	M6	14	16	H+5	M12	16	—	25
	Bolts	50	M8	16	20	H+5	M12	16	20	25
136	Thread-hole	50	M6	14	16	H+6	M12	18	—	30
	Bolts	50	M8	16	20	H+6	M12	18	20	30

Specifications

Reference standards		IEC 61071,GB/T 17702	
Rated voltage	U_{NDC}	600Vd.c.~4000Vd.c.	
Capacitance range	C_N	20μF~5500μF	
Capacitance tolerance		±5%(J),±10%(K)	
Dielectric loss factor	$\tan\delta_d$	0.0002	
Insulation resistance (20℃,100V,1min)	IR×C_N	≥5000s	
Climatic category		D≤116mm:40/85/56 D=136mm:40/80/56	
Operating temperature range	θ_{hs}	D≤116mm: -40℃~85℃ D=136mm: -40℃~80℃	
Voltage proof	$U_{t\text{-}t}$	Between terminals	1.5U_{NDC}(10s,20℃±5℃)
	$U_{t\text{-}c}$	Between terminal and case	U_{NDC}≤1500Vd.c.,3000Va.c.(10s,50Hz,20℃) U_{NDC}>1500Vd.c.,(√2U_{NDC}+1000V)Va.c. (10s,50Hz,20℃)
Over voltage		1.1U_{NDC}(30 % of on-load-dur.) 1.15U_{NDC}(30min/d) 1.2U_{NDC}(5min/d) 1.3U_{NDC}(1min/d) 1.5U_{NDC}(30ms every time,1000times during the life of capacitor)	
Altitude		≤2000m:No derating for current 2000m~5000m:Decreasing factor 3% per 500m for current	
Max. terminal torque		M6:5N·m M8:6N·m	
Installation direction		Any direction	
Max. Installation torque		10N·m	
Expected lifetime		100,000h@U_{NDC},θ_{hs}≤70℃	
Failure	λ	≤100 FIT@U_{NDC},θ_{hs}≤70℃	

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	D	A	/	2	K	5	0	0	6	J	0	0	0	0	1	0	0	(	X	X	X	)

Series code

Rated DC voltage
See table 1

Rated capacitance
For example:
5006=500×10⁶pF
=500μF

Capacitance tolerance
J=±5%
K=±10%

Internal serial number
For example:
00001
00002
⋮
Notes: Non-unique serial number, please consult Hongfa

Terminal form
0=Thread-hole
A=Bolts

Internal code
0=Standard

Special code
To identify when special requirements needed

Table 1: Rated DC Voltage Code

U_{NDC}	600	700	800	900	1000	1100	1200	1300	1400	1500
Code	1U	1V	2K	1X	3A	1M	3L	2M	3M	4M
U_{NDC}	2000	2200	2400	2600	2800	3000	3200	3600	4000	☐
Code	3D	2N	1N	3N	6P	4Q	6Q	7R	3G	☐

Technical Parameters

600Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
500	1.8	6.2	1450	64	56	47	76	95	0.6	HCDA/1U5006-******0
650	2.1	5.4	1390	63	56	47	76	120	0.7	HCDA/1U6506-******0
760	1.1	5.3	2770	80	77	65	76	145	0.8	HCDA/1U7606-******0
600	1.6	6.1	1740	68	60	51	86	95	0.7	HCDA/1U6506-******0
820	1.8	5.3	1760	69	61	51	86	120	0.9	HCDA/1U8206-******0
1000	1.0	4.7	3680	80	80	73	86	145	1.1	HCDA/1U1007-******0
1100	1.0	4.5	3650	80	80	75	86	155	1.2	HCDA/1U1107-******0
1300	1.1	4.1	3730	80	80	74	86	175	1.3	HCDA/1U1307-******0
1900	1.9	3.1	4060	80	77	65	86	255	1.9	HCDA/1U1907-******0
820	1.3	5.4	2380	80	71	60	96	95	0.9	HCDA/1U9006-******0
1100	1.5	4.7	2360	80	70	60	96	120	1.1	HCDA/1U1107-******0
1250	0.9	4.2	4550	80	80	80	96	145	1.3	HCDA/1U1257-******0
1600	1.0	3.7	4590	80	80	80	96	175	1.6	HCDA/1U1607-******0
1250	1.1	4.2	3580	99	87	74	116	95	1.3	HCDA/1U1257-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

600Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
2000	0.8	3.4	7200	100	100	96	116	145	2.0	HCDA/1U2007-******0
2200	0.8	3.3	7190	100	100	97	116	155	2.1	HCDA/1U2207-******0
2500	0.8	3.1	7170	100	100	100	116	175	2.4	HCDA/1U2507-******0
3400	0.9	2.6	7210	100	100	100	116	225	3.0	HCDA/1U3407-******0
5500	1.7	1.9	10530	100	96	79	136	285	5.3	HCDA/1U5507-******0

700Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
360	2.0	7.1	1180	56	50	42	76	95	0.6	HCDA/1V3606-******0
480	2.3	6.1	1160	57	50	42	76	120	0.7	HCDA/1V4806-******0
580	1.2	5.4	2410	80	73	62	76	145	0.8	HCDA/1V5806-******0
640	1.2	5.1	2400	80	76	64	76	155	0.9	HCDA/1V6406-******0
730	1.3	4.7	2390	80	76	64	76	175	1.0	HCDA/1V7306-******0
480	1.7	6.2	1570	65	58	49	86	95	0.7	HCDA/1V4806-******0
620	1.9	5.4	1500	66	58	49	86	120	0.9	HCDA/1V6206-******0
750	1.1	4.7	3120	80	80	70	86	145	1.1	HCDA/1V7506-******0
860	1.1	4.5	3230	80	80	71	86	155	1.2	HCDA/1V8606-******0
1000	1.1	4.1	3280	80	80	74	86	175	1.3	HCDA/1V1007-******0
1500	1.9	3.1	4940	80	77	65	86	255	1.9	HCDA/1V1507-******0
650	1.4	5.4	2110	77	68	58	96	95	0.9	HCDA/1V6506-******0
780	1.7	4.7	1890	75	66	56	96	120	1.1	HCDA/1V7806-******0
950	0.9	4.2	3950	80	80	80	96	145	1.3	HCDA/1V9506-******0
1300	1.0	3.7	4220	80	80	80	96	175	1.6	HCDA/1V1307-******0
920	1.2	4.3	3020	93	82	70	116	95	1.3	HCDA/1V9206-******0
1250	1.3	3.8	3030	95	84	71	116	120	1.6	HCDA/1V1257-******0
1500	0.8	3.5	6240	100	100	94	116	145	2.0	HCDA/1V1507-******0
1700	0.8	3.3	6320	100	100	97	116	158	2.1	HCDA/1V1707-******0
1900	0.9	3.1	6230	100	100	95	116	175	2.4	HCDA/1V1907-******0
2600	0.9	2.6	6300	100	100	100	116	225	3.0	HCDA/1V2607-******0
4200	1.7	2.0	12210	100	94	77	136	285	5.3	HCDA/1V4207-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

800Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
290	2.2	7.1	1060	54	47	40	76	95	0.6	HCDA/2K2906-******0
360	2.6	6.1	970	53	47	40	76	120	0.7	HCDA/2K3606-******0
450	1.3	5.4	2090	80	71	60	76	145	0.8	HCDA/2K4506-******0
500	1.3	5.1	2090	80	73	61	76	155	0.9	HCDA/2K5006-******0
580	1.4	4.7	2120	80	73	62	76	175	1.0	HCDA/2K5806-******0
380	1.8	6.2	1390	64	56	47	86	95	0.7	HCDA/2K3806-******0
480	2.1	5.4	1300	63	56	47	86	120	0.9	HCDA/2K4806-******0
600	1.1	4.8	2780	80	80	69	86	145	1.1	HCDA/2K6006-******0
700	1.1	4.5	2930	80	80	71	86	155	1.2	HCDA/2K7006-******0
750	1.2	4.2	2740	80	80	70	86	175	1.3	HCDA/2K7506-******0
800	1.2	4.2	2930	80	80	70	86	175	1.3	HCDA/2K8006-******0
1200	1.9	3.1	4940	80	77	65	86	255	1.9	HCDA/2K1207-******0
520	1.5	5.4	1880	75	66	56	96	95	0.9	HCDA/2K5206-******0
620	1.8	4.8	1680	72	64	54	96	120	1.1	HCDA/2K6206-******0
750	1.0	4.3	3480	80	80	76	96	145	1.3	HCDA/2K7506-******0
1000	1.0	3.8	3660	80	80	80	96	175	1.6	HCDA/2K1007-******0
750	1.2	4.3	2740	93	82	70	116	95	1.3	HCDA/2K7506-******0
1000	1.4	3.8	2700	92	81	69	116	120	1.6	HCDA/2K1007-******0
1150	0.8	3.5	5340	100	100	94	116	145	2.0	HCDA/2K1157-******0
1350	0.8	3.3	5600	100	100	97	116	158	2.1	HCDA/2K1357-******0
1550	0.9	3.1	5610	100	100	95	116	175	2.4	HCDA/2K1557-******0
2000	1.0	2.6	5410	100	100	98	116	225	3.0	HCDA/2K2007-******0
3200	1.8	2.0	12210	100	91	75	136	285	5.3	HCDA/2K3207-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

900Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
290	2.2	7.1	1060	54	47	40	76	95	0.6	HCDA/1X2906-******0
380	2.5	6.1	1030	54	48	40	76	120	0.7	HCDA/1X3806-******0
450	1.3	5.4	2090	80	71	60	76	145	0.8	HCDA/1X4506-******0
500	1.3	5.1	2090	80	73	61	76	155	0.9	HCDA/1X5006-******0
580	1.4	4.7	2120	80	73	62	76	175	1.0	HCDA/1X5806-******0
380	1.8	6.2	1390	64	56	47	86	95	0.7	HCDA/1X3806-******0
500	2.1	5.4	1300	63	56	47	86	120	0.9	HCDA/1X5006-******0
600	1.1	4.8	2780	80	80	69	86	145	1.1	HCDA/1X6006-******0
700	1.1	4.5	2930	80	80	71	86	155	1.2	HCDA/1X7006-******0
750	1.2	4.2	2740	80	80	70	86	175	1.3	HCDA/1X7506-******0
820	1.2	4.2	2850	80	80	70	86	175	1.3	HCDA/1X8206-******0
1200	1.9	3.1	4410	80	77	65	86	255	1.9	HCDA/1X1207-******0
520	1.5	5.4	1880	75	66	56	96	95	0.9	HCDA/1X5206-******0
620	1.8	4.8	1680	72	64	54	96	120	1.1	HCDA/1X6206-******0
750	1.0	4.3	3480	80	80	76	96	145	1.3	HCDA/1X7506-******0
1000	1.0	3.8	3660	80	80	80	96	175	1.6	HCDA/1X1007-******0
750	1.2	4.3	2740	93	82	70	116	95	1.3	HCDA/1X7506-******0
980	1.4	3.8	2650	92	81	69	116	120	1.6	HCDA/1X9806-******0
1150	0.8	3.5	5340	100	100	94	116	145	2.0	HCDA/1X1157-******0
1350	0.8	3.3	5600	100	100	97	116	158	2.1	HCDA/1X1357-******0
1550	0.9	3.1	5610	100	100	95	116	175	2.4	HCDA/1X1557-******0
2000	1.0	2.6	5410	100	100	98	116	225	3.0	HCDA/1X2007-******0
3200	1.8	2.0	10380	100	91	75	136	285	5.3	HCDA/1X3207-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

1000Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
210	2.4	7.2	980	51	45	38	76	95	0.6	HCDA/3A2106-******0
280	2.7	6.2	970	52	46	39	76	120	0.7	HCDA/3A2806-******0
320	1.4	5.4	1910	77	68	58	76	145	0.8	HCDA/3A3206-******0
360	1.5	5.1	1940	77	68	57	76	155	0.9	HCDA/3A3606-******0
420	1.5	4.7	1970	80	70	60	76	175	1.0	HCDA/3A5006-******0
280	2.0	6.2	1310	60	53	45	86	95	0.7	HCDA/3A2806-******0
380	2.2	5.4	1320	62	54	46	86	120	0.9	HCDA/3A3806-******0
430	1.2	4.8	2560	80	78	66	86	145	1.1	HCDA/3A4306-******0
500	1.2	4.6	2690	80	80	67	86	155	1.2	HCDA/3A5006-******0
560	1.3	4.2	2630	80	80	68	86	175	1.3	HCDA/3A5606-******0
850	2.0	3.2	4000	80	74	63	86	255	1.9	HCDA/3A8506-******0
370	1.6	5.5	1720	72	63	53	96	95	0.9	HCDA/3A3706-******0
500	1.8	4.8	1730	72	64	54	96	120	1.1	HCDA/3A5006-******0
580	1.0	4.3	3450	80	80	76	96	145	1.3	HCDA/3A5806-******0
720	1.1	3.8	3380	80	80	77	96	175	1.6	HCDA/3A7206-******0
560	1.3	4.3	2630	90	79	67	116	95	1.3	HCDA/3A5606-******0
750	1.4	3.9	2600	91	80	68	116	120	1.6	HCDA/3A7506-******0
840	0.9	3.5	5000	100	100	89	116	145	2.0	HCDA/3A8406-******0
960	0.9	3.3	5110	100	100	92	116	158	2.1	HCDA/3A9606-******0
1100	0.9	3.1	5110	100	100	95	116	175	2.4	HCDA/3A1107-******0
1500	1.0	2.7	5200	100	100	96	116	225	3.0	HCDA/3A1507-******0
2600	1.8	2.0	10820	100	91	75	136	285	5.3	HCDA/3A2607-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

1100Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
180	2.6	7.2	960	49	43	37	76	95	0.6	HCDA/1M1806-******0
240	2.9	6.2	960	50	44	37	76	120	0.7	HCDA/1M2406-******0
280	1.5	5.4	1920	75	66	56	76	145	0.8	HCDA/1M2806-******0
320	1.5	5.2	1980	76	67	57	76	155	0.9	HCDA/1M3206-******0
360	1.6	4.7	1940	77	68	58	76	175	1.0	HCDA/1M3606-******0
240	2.1	6.3	1300	58	51	43	86	95	0.7	HCDA/1M2406-******0
300	2.5	5.5	1200	57	50	43	86	120	0.9	HCDA/1M3006-******0
420	2.4	5.0	1360	61	54	46	86	136	1.0	HCDA/1M4206-******0
420	1.3	4.6	2600	80	77	65	86	155	1.2	HCDA/1M4206-******0
500	1.3	4.2	2700	80	80	68	86	175	1.3	HCDA/1M5006-******0
750	2.0	3.2	4060	80	74	63	86	255	1.9	HCDA/1M7506-******0
320	1.7	5.5	1710	69	61	52	96	95	0.9	HCDA/1M3206-******0
400	2.0	4.8	1600	68	60	51	96	120	1.1	HCDA/1M4006-******0
480	1.1	4.3	3290	80	80	73	96	145	1.3	HCDA/1M4806-******0
650	1.1	3.8	3510	80	80	77	96	175	1.6	HCDA/1M6506-******0
480	1.4	4.3	2590	86	76	64	116	95	1.3	HCDA/1M4806-******0
620	1.5	3.9	2470	88	77	65	116	120	1.6	HCDA/1M6206-******0
750	0.9	3.5	5140	100	100	89	116	145	2.0	HCDA/1M7506-******0
780	0.9	3.4	4770	100	100	90	116	158	2.1	HCDA/1M7806-******0
850	0.9	3.4	5200	100	100	90	116	158	2.1	HCDA/1M8506-******0
950	1.0	3.2	5070	100	100	88	116	175	2.4	HCDA/1M9506-******0
1300	1.1	2.7	5190	100	100	92	116	225	3.0	HCDA/1M1307-******0
2200	1.8	2.0	10530	100	91	75	136	285	5.3	HCDA/1M2207-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

1200Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
140	2.9	7.3	890	46	41	34	76	95	0.6	HCDA/3L1406-******0
200	3.1	6.2	940	48	43	36	76	120	0.7	HCDA/3L2006-******0
240	1.5	5.5	1950	74	65	55	76	145	0.8	HCDA/3L2406-******0
260	1.6	5.2	1900	74	65	55	76	155	0.9	HCDA/3L2606-******0
300	1.7	4.7	1920	75	66	56	76	175	1.0	HCDA/3L3006-******0
200	2.2	6.3	1280	57	50	42	86	95	0.7	HCDA/3L2006-******0
260	2.5	5.5	1230	57	50	43	86	120	0.9	HCDA/3L2606-******0
310	2.7	5.0	1270	58	51	43	86	136	1.0	HCDA/3L3106-******0
300	1.3	4.9	2430	80	74	63	86	145	1.1	HCDA/3L3006-******0
360	1.3	4.6	2630	80	77	65	86	155	1.2	HCDA/3L3606-******0
400	1.4	4.2	2560	80	77	65	86	175	1.3	HCDA/3L4006-******0
600	2.1	3.2	3850	80	72	61	86	255	1.9	HCDA/3L6006-******0
270	1.8	5.5	1710	67	59	50	96	95	0.9	HCDA/3L2706-******0
340	2.1	4.8	1610	67	59	50	96	120	1.1	HCDA/3L3406-******0
380	1.2	4.4	3080	80	80	69	96	145	1.3	HCDA/3L3806-******0
520	1.2	3.8	3320	80	80	74	96	175	1.6	HCDA/3L5206-******0
380	1.5	4.4	2430	83	73	62	116	95	1.3	HCDA/3L3806-******0
510	1.6	3.9	2410	85	75	63	116	120	1.6	HCDA/3L5106-******0
600	0.9	3.5	4860	100	100	89	116	145	2.0	HCDA/3L6006-******0
700	1.0	3.4	5070	100	100	86	116	158	2.1	HCDA/3L7006-******0
800	1.0	3.2	5060	100	100	88	116	175	2.4	HCDA/3L8006-******0
1000	1.1	2.7	4720	100	100	92	116	225	3.0	HCDA/3L1007-******0
1800	1.8	2.0	10200	100	91	75	136	285	5.3	HCDA/3L1807-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

1300Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
120	3.0	7.3	910	45	40	34	76	95	0.6	HCDA/2M1206-******0
170	3.3	6.2	950	47	41	35	76	120	0.7	HCDA/2M1706-******0
190	1.7	5.5	1830	69	61	52	76	145	0.8	HCDA/2M1906-******0
220	1.7	5.2	1910	71	63	53	76	155	0.9	HCDA/2M2206-******0
250	1.8	4.8	1890	72	64	54	76	175	1.0	HCDA/2M2806-******0
170	2.3	6.3	1290	56	49	42	86	95	0.7	HCDA/2M1706-******0
220	2.7	5.5	1230	55	49	41	86	120	0.9	HCDA/2M2206-******0
250	2.9	5.1	1200	55	49	41	86	136	1.0	HCDA/2M2506-******0
280	1.4	4.6	2430	80	74	62	86	155	1.2	HCDA/2M2806-******0
330	1.5	4.3	2500	80	74	62	86	175	1.3	HCDA/2M3306-******0
520	2.2	3.2	3750	80	71	60	86	255	1.9	HCDA/2M5206-******0
220	1.9	5.5	1650	66	58	49	96	95	0.9	HCDA/2M2206-******0
280	2.2	4.9	1560	65	57	48	96	120	1.1	HCDA/2M2806-******0
330	1.2	4.4	3180	80	80	69	96	145	1.3	HCDA/2M3306-******0
440	1.2	3.8	3330	80	80	74	96	175	1.6	HCDA/2M4406-******0
320	1.5	4.4	2420	83	73	62	116	95	1.3	HCDA/2M3206-******0
430	1.7	3.9	2400	82	73	61	116	120	1.6	HCDA/2M4306-******0
510	1.0	3.6	4920	100	99	83	116	145	2.0	HCDA/2M5106-******0
580	1.0	3.4	4990	100	100	86	116	158	2.1	HCDA/2M5806-******0
660	1.0	3.2	4940	100	100	88	116	175	2.4	HCDA/2M6606-******0
880	1.1	2.7	4900	100	100	92	116	225	3.0	HCDA/2M8806-******0
1500	1.8	2.0	9930	100	91	75	136	285	5.3	HCDA/2M1507-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

1400Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
100	3.3	7.3	870	43	38	32	76	95	0.6	HCDA/3M1006-******0
140	3.6	6.3	900	45	39	33	76	120	0.7	HCDA/3M1406-******0
160	1.8	5.5	1780	67	59	50	76	145	0.8	HCDA/3M1606-******0
200	1.9	4.8	1730	70	62	52	76	175	1.0	HCDA/3M2006-******0
140	2.5	6.3	1220	53	47	40	86	95	0.7	HCDA/3M1406-******0
180	2.9	5.5	1160	53	47	40	86	120	0.9	HCDA/3M1806-******0
220	3.0	5.1	1220	54	48	40	86	136	1.0	HCDA/3M2206-******0
240	1.5	4.6	2410	80	71	60	86	155	1.2	HCDA/3M2406-******0
280	1.5	4.3	2450	80	74	62	86	175	1.3	HCDA/3M2806-******0
420	2.2	3.2	3630	80	71	60	86	255	1.9	HCDA/3M4206-******0
180	2.1	5.6	1560	62	55	46	96	95	0.9	HCDA/3M1806-******0
240	2.4	4.9	1540	62	55	46	96	120	1.1	HCDA/3M2406-******0
360	1.3	3.9	3150	80	80	70	96	175	1.6	HCDA/3M3606-******0
270	1.6	4.4	2360	80	71	60	116	95	1.3	HCDA/3M2706-******0
360	1.8	3.9	2320	80	71	60	116	120	1.6	HCDA/3M3606-******0
430	1.0	3.6	4790	100	99	83	116	145	2.0	HCDA/3M4306-******0
560	1.1	3.2	4840	100	100	84	116	175	2.4	HCDA/3M5606-******0
750	1.2	2.7	4830	100	100	88	116	225	3.0	HCDA/3M7506-******0
1300	1.8	2.0	9940	100	91	75	136	285	5.3	HCDA/3M1307-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

1500Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
90	3.3	7.3	850	43	38	32	76	95	0.6	HCDA/4M9005-******0
120	3.8	6.3	830	43	38	32	76	120	0.7	HCDA/4M1206-******0
140	1.9	5.5	1680	66	58	49	76	145	0.8	HCDA/4M1406-******0
180	2.0	4.8	1680	68	60	51	76	175	1.0	HCDA/4M1806-******0
120	2.7	6.4	1130	51	45	38	86	95	0.7	HCDA/4M1206-******0
150	3.2	5.5	1040	51	45	38	86	120	0.9	HCDA/4M1506-******0
180	3.3	5.1	1080	52	46	39	86	136	1.0	HCDA/4M1806-******0
200	1.6	4.7	2140	77	68	58	86	155	1.2	HCDA/4M2006-******0
240	1.6	4.3	2260	80	71	60	86	175	1.3	HCDA/4M2406-******0
160	2.2	5.6	1490	60	53	45	96	95	0.9	HCDA/4M1606-******0
200	2.5	4.9	1390	61	53	45	96	120	1.1	HCDA/4M2006-******0
320	1.4	3.9	3020	80	80	68	96	175	1.6	HCDA/4M3206-******0
230	1.7	4.4	2170	78	68	58	116	95	1.3	HCDA/4M2306-******0
300	1.9	4.0	2080	77	68	57	116	120	1.6	HCDA/4M3006-******0
400	1.1	3.4	4330	100	97	82	116	158	2.1	HCDA/4M4006-******0
480	1.1	3.2	4480	100	100	84	116	175	2.4	HCDA/4M4806-******0
630	1.2	2.7	4370	100	100	88	116	225	3.0	HCDA/4M6306-******0
1100	1.9	2.1	9070	100	87	71	136	285	5.3	HCDA/4M1107-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

2000Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
110	1.5	4.8	2800	79	70	59	86	145	1.1	HCDA/3D1106-******0
180	1.5	3.9	2600	88	77	65	116	120	1.6	HCDA/3D1806-******0
220	1.0	3.5	5400	100	100	85	116	145	2.0	HCDA/3D2206-******0
250	1.2	3.2	4900	100	95	81	116	175	2.4	HCDA/3D2506-******0
380	1.4	2.7	5400	100	96	81	116	225	3.0	HCDA/3D3806-******0
250	1.3	3.2	3600	98	85	69	136	120	2.2	HCDA/3D2506-******0
310	0.9	2.9	7800	100	100	88	136	145	2.7	HCDA/3D3106-******0
340	1.0	2.7	6700	100	100	86	136	175	3.3	HCDA/3D3406-******0
440	1.3	2.3	6300	100	98	82	136	225	4.2	HCDA/3D4406-******0
550	1.4	2.1	6700	100	100	82	136	255	4.7	HCDA/3D5506-******0

2200Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
90	1.6	4.8	2700	77	68	57	86	145	1.1	HCDA/2N9005-******0
150	2.4	3.5	2600	73	65	55	86	225	1.7	HCDA/2N1506-******0
145	1.7	3.9	2500	82	73	61	116	120	1.6	HCDA/2N1456-******0
170	1.1	3.5	5200	100	95	81	116	145	2.0	HCDA/2N1706-******0
240	1.2	3.1	5300	100	97	82	116	175	2.4	HCDA/2N2406-******0
310	1.5	2.7	5100	100	93	79	116	225	3.0	HCDA/2N3106-******0
200	1.4	3.2	3400	94	82	67	136	120	2.2	HCDA/2N2006-******0
240	0.9	2.9	7300	100	100	88	136	145	2.7	HCDA/2N2406-******0
340	1.0	2.7	7400	100	100	86	136	175	3.3	HCDA/2N3406-******0
440	1.2	2.3	7500	100	100	85	136	225	4.2	HCDA/2N4406-******0
550	1.4	2.1	7500	100	100	82	136	255	4.7	HCDA/2N5506-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

2400Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
70	1.8	4.8	2500	72	64	54	86	145	1.1	HCDA/1N7005-******0
140	2.5	3.5	2600	72	63	53	86	225	1.7	HCDA/1N1406-******0
120	1.8	3.9	2400	80	71	60	116	120	1.6	HCDA/1N1206-******0
140	1.2	3.5	5000	100	91	77	116	145	2.0	HCDA/1N1406-******0
195	1.3	3.2	5100	100	92	78	116	175	2.4	HCDA/1N1956-******0
270	1.6	2.7	5100	100	90	76	116	225	3.0	HCDA/1N2706-******0
170	1.4	3.2	3400	94	82	67	136	120	2.2	HCDA/1N1706-******0
190	1.0	3.0	6800	100	100	82	136	145	2.7	HCDA/1N1906-******0
270	1.1	2.7	7300	100	100	82	136	175	3.3	HCDA/1N2706-******0
380	1.3	2.3	7200	100	100	82	136	225	4.2	HCDA/1N3806-******0
450	1.5	2.1	7300	100	98	80	136	255	4.7	HCDA/1N4506-******0

2600Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
60	1.9	4.9	2500	70	61	52	86	145	1.1	HCDA/3N6005-******0
115	2.7	3.5	2500	69	61	51	86	225	1.7	HCDA/3N1156-******0
100	1.9	3.9	2400	78	69	58	116	120	1.6	HCDA/3N1006-******0
115	1.3	3.6	4800	98	86	73	116	145	2.0	HCDA/3N1156-******0
165	1.4	3.2	5000	100	88	75	116	175	2.4	HCDA/3N1656-******0
220	1.7	2.7	4800	99	87	74	116	225	3.0	HCDA/3N2206-******0
140	1.5	3.2	3300	91	79	65	136	120	2.2	HCDA/3N1406-******0
160	1.1	3.0	6700	100	95	78	136	145	2.7	HCDA/3N1606-******0
230	1.1	2.7	7000	100	100	82	136	175	3.3	HCDA/3N2306-******0
320	1.4	2.3	7000	100	97	79	136	225	4.2	HCDA/3N3206-******0
380	1.6	2.2	7200	100	92	75	136	255	4.7	HCDA/3N3806-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

2800Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
50	2.1	4.9	2400	66	58	49	86	145	1.1	HCDA/6P5005-******0
100	2.9	3.5	2500	67	59	50	86	225	1.7	HCDA/6P1006-******0
85	2.0	3.9	2300	76	67	57	116	120	1.6	HCDA/6P8505-******0
95	1.4	3.6	4600	94	83	70	116	145	2.0	HCDA/6P9505-******0
135	1.4	3.2	4900	100	88	75	116	175	2.4	HCDA/6P1356-******0
190	1.8	2.7	4800	96	85	72	116	225	3.0	HCDA/6P1906-******0
120	1.6	3.3	3300	87	75	62	136	120	2.2	HCDA/6P1206-******0
140	1.1	3.0	6800	100	95	78	136	145	2.7	HCDA/6P1406-******0
200	1.2	2.7	7000	100	96	79	136	175	3.3	HCDA/6P2006-******0
270	1.5	2.4	6900	100	91	75	136	225	4.2	HCDA/6P2706-******0
320	1.6	2.2	7000	100	92	75	136	255	4.7	HCDA/6P3206-******0

3000Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
40	2.4	4.9	2100	62	55	46	86	145	1.1	HCDA/4Q4005-******0
80	3.1	3.5	2300	64	57	48	86	225	1.7	HCDA/4Q8005-******0
75	2.1	3.9	2200	74	65	55	116	120	1.6	HCDA/4Q7505-******0
80	1.5	3.6	4200	91	81	68	116	145	2.0	HCDA/4Q8005-******0
115	1.5	3.2	4500	97	85	72	116	175	2.4	HCDA/4Q1156-******0
160	1.9	2.7	4400	94	83	70	116	225	3.0	HCDA/4Q1606-******0
100	1.8	3.3	2900	82	71	58	136	120	2.2	HCDA/4Q1006-******0
110	1.2	3.0	5800	100	91	75	136	145	2.7	HCDA/4Q1106-******0
165	1.2	2.7	6500	100	96	79	136	175	3.3	HCDA/4Q1656-******0
230	1.5	2.4	6300	100	91	75	136	225	4.2	HCDA/4Q2306-******0
265	1.7	2.2	6500	100	90	73	136	255	4.7	HCDA/4Q2656-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

3200Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
35	2.7	5.0	1800	58	51	43	86	145	1.1	HCDA/6Q3505-******0
70	3.4	3.6	2100	61	53	45	86	225	1.7	HCDA/6Q7005-******0
65	2.4	4.0	1900	68	60	51	116	120	1.6	HCDA/6Q6505-******0
70	1.6	3.7	3700	87	77	65	116	145	2.0	HCDA/6Q7005-******0
100	1.6	3.2	4100	94	83	70	116	175	2.4	HCDA/6Q1006-******0
140	2.0	2.8	4100	90	79	67	116	225	3.0	HCDA/6Q1406-******0
88	1.9	3.3	2600	80	69	56	136	120	2.2	HCDA/6Q8805-******0
100	1.3	3.1	5200	100	86	70	136	145	2.7	HCDA/6Q1006-******0
140	1.3	2.8	5700	100	91	74	136	175	3.3	HCDA/6Q1406-******0
200	1.6	2.4	5900	100	88	72	136	225	4.2	HCDA/6Q2006-******0
230	1.9	2.2	5800	98	85	69	136	255	4.7	HCDA/6Q2306-******0

3600Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
25	4.1	4.8	1438	48	42	36	86	145	1.1	HCDA/7R2505-******0
50	2.7	3.5	1421	69	61	51	86	225	1.7	HCDA/7R5005-******0
43	2.6	4.0	1377	66	58	49	116	120	1.6	HCDA/7R4305-******0
50	2.6	3.6	2876	69	61	52	116	145	2.0	HCDA/7R5005-******0
95	1.8	3.2	2701	88	78	66	116	225	3.0	HCDA/7R9505-******0
110	1.7	2.7	4035	99	87	74	116	255	3.0	HCDA/7R1106-******0
60	2.3	3.5	1922	70	61	50	136	120	2.2	HCDA/7R6005-******0
67	2.0	3.1	3854	80	70	57	136	145	2.7	HCDA/7R6705-******0
135	1.6	2.4	3839	100	88	72	136	225	4.2	HCDA/7R1356-******0
160	1.5	2.2	5869	100	95	78	136	255	4.7	HCDA/7R1606-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.

Technical Parameters

4000Vd.c.										
C_N (μF)	ESR@1kHz (mΩ)	R_{th} (K/W)	Î (A)	I_{max}(A)			D (mm)	H (mm)	G (kg)	Ordering Information
				40℃	50℃	60℃				
20	4.5	4.8	1281	46	40	34	86	145	1.1	HCDA/3G2005-******0
40	3.7	3.5	1266	59	52	44	86	225	1.7	HCDA/3G4005-******0
35	3.6	4.0	1248	56	49	42	116	120	1.6	HCDA/3G3505-******0
40	3.2	3.6	2562	63	55	47	116	145	2.0	HCDA/3G4005-******0
80	1.8	3.2	2533	88	78	66	116	225	3.0	HCDA/3G8005-******0
90	1.8	2.7	3676	96	85	72	116	255	3.0	HCDA/3G9005-******0
50	2.7	3.5	1783	65	56	46	136	120	2.2	HCDA/3G5005-******0
55	2.6	3.1	3523	70	61	50	136	145	2.7	HCDA/3G5505-******0
110	1.9	2.4	3483	94	81	66	136	225	4.2	HCDA/3G1106-******0
130	1.8	2.2	5310	100	87	71	136	255	4.7	HCDA/3G1306-******0

Notes: 1) "-" means capacitance tolerance, J=±5%, K=±10%;
2) "******"means internal serial number and terminal form.