

# HCDB(H)

DC-Link Capacitor for PCB  
(125°C High-temperature version)





## Features

- Metallized polypropylene film structure
- Excellent self-healing performance
- Higher current carrying capacity
- Continuous operation at 125°C

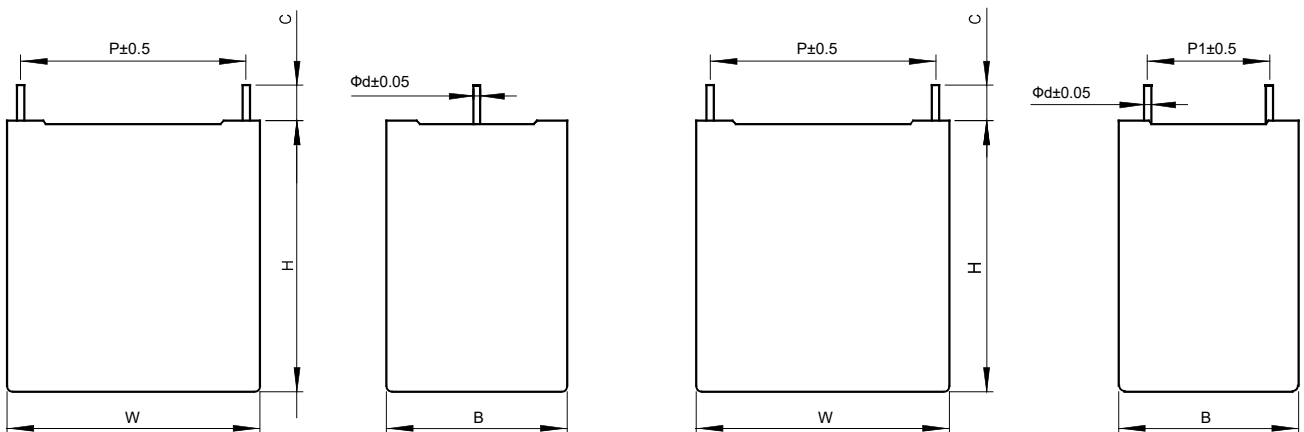
## Typical Applications

- Used in DC-DC converters, OBC, WPT, etc.

## Safety Approvals

	TUV	EN 61071:2017	0.6µF-140µF,±5%,±10%,500Vd.c.-1500Vd.c. 40/85/56,40/105/56 File No.: R 50516398
	UL	UL810	0.062µF-140µF,max 3000Vd.c. max 105°C File No.: E222132,CCN:CZDS2

## Outline Drawing



2pins

4pins

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), AEC-Q200D-2010
Rated voltage	500Vd.c.~1200Vd.c.
Capacitance range	0.6μF~120μF
Climatic category	40/105/56
Operating temperature	-40°C~105°C (85°C~105°C:decreasing factor 1.5% per °C for U <sub>N,85°C</sub> )
Capacitance tolerance	±5%(J),±10%(K)
Voltage proof	1.5U <sub>N</sub> (10s,20°C±5°C)
Insulation resistance (IR×C <sub>N</sub> )	≥10000s (20°C,100Vd.c.,60s)
Self inductance (L <sub>s</sub> )	<1nH/mm
Dielectric dissipation factor (tanδd)	0.0002
Maximum peak current Î(A)	Î=C×dv/dt
Peak Non-Repetitive Current	1.4Î (1000times during the lifetime)
Over voltage	1.1U <sub>N</sub> (30% of on -load duration/d)
	1.15 U <sub>N</sub> (30min/d)
	1.2 U <sub>N</sub> (5min/d)
	1.3 U <sub>N</sub> (1min/d)
	1.5U <sub>N</sub> (An overvoltage equal to 1.5U <sub>N</sub> for 30ms is permitted 1000 times during the life of the capacitor)
Expected lifetime	100000h@U <sub>N,85°C</sub> ,Θ <sub>hs</sub> =85°C
Failure rate	≤10FIT@0.5U <sub>N,40°C</sub>

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	25	
H	C	D	B	/																	(	x	x	x	)
<b>Series code</b>	<b>DC rated voltage</b>		<b>Rated capacitance value</b>	<b>Capacitance tolerance</b>		<b>Pitch</b>	<b>Lead Form</b>		<b>Diameter</b>	<b>Internal code</b>	<b>lead form and packaging code</b>		<b>Internal code</b>												
2H=500V 1U=600V 1V=700V 2K=800V 1X=900V 3A=1000V 1M=1100V 3L=1200V			For example: 5004=500×10 <sup>4</sup> pF =5μF	J=±5% K=±10%		B=27.5mm F=37.5mm M=52.5mm	2= 2 pins 4= 4 pins		1=0.8mm 2=1.0mm 3=1.2mm	H: 125°C High-temperature	C000: Standard lead length is 5.5mm±0.5mm figure above(bulk package)		To identify when the special requirements needed												

Outline Dimensions

U <sub>N,85°C</sub> =500Vd.c.U <sub>N,105°C</sub> =390Vd.c.U <sub>N,115°C</sub> =350Vd.c.U <sub>N,125°C</sub> =300Vd.c.													
C <sub>N</sub> (μF)	W±1 (mm)	H±1 (mm)	B±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	î (A)	tanδ(×10 <sup>-4</sup> )		ESR@10kHz (mΩ)	I <sub>max</sub> (A)	Ordering Information
									1kHz	10kHz			
2	32	20	11	27.5	-	0.8	40	80	8	70	34.0	3.5	HCDB/2H2004*B21HC000
3	32	20	11	27.5	-	0.8	40	120	8	70	22.6	4.3	HCDB/2H3004*B21HC000
4	32	25	13	27.5	-	0.8	40	160	8	70	17.0	5.6	HCDB/2H4004*B21HC000
6	32	28	14	27.5	-	1.0	40	240	8	70	11.3	7.0	HCDB/2H6004*B22HC000
7	32	30	16	27.5	-	1.0	40	280	8	70	9.7	8.7	HCDB/2H7004*B22HC000
8	32	33	18	27.5	-	1.0	40	320	8	70	8.5	9.3	HCDB/2H8004*B22HC000
9	32	33	18	27.5	-	1.0	40	360	8	70	7.5	9.9	HCDB/2H9004*B22HC000
10	32	33	18	27.5	-	1.0	40	400	8	70	6.8	10.4	HCDB/2H1005*B22HC000
20	42	40	20	37.5	-	1.2	28	560	12	100	6.9	12.7	HCDB/2H2005*F23HC000
25	42	44	24	37.5	10.2	1.0	28	700	12	100	5.5	15.2	HCDB/2H2505*F42HC000
25	42	37	28	37.5	10.2	1.0	28	700	12	100	5.5	15.2	HCDB/2H2505*F42HC000
35	42	45	30	37.5	20.3	1.0	28	980	12	100	3.9	19.8	HCDB/2H3505*F42HC000
40	42	50	35	37.5	20.3	1.2	28	1120	12	100	3.4	22.2	HCDB/2H4005*F43HC000
50	42	50	35	37.5	20.3	1.2	28	1400	12	100	2.7	24.8	HCDB/2H5005*F43HC000
60	42	55	40	37.5	20.3	1.2	28	1680	12	100	2.3	28.4	HCDB/2H6005*F43HC000
75	42	60	45	37.5	20.3	1.2	28	2100	12	100	1.8	33.0	HCDB/2H7505*F43HC000
55	57.5	45	30	52.5	20.3	1.2	19	1045	20	200	5.2	19.1	HCDB/2H5505*M43HC000
65	57.5	50	35	52.5	20.3	1.2	19	1235	20	200	4.4	22.4	HCDB/2H6505*M43HC000
70	57.5	50	35	52.5	20.3	1.2	19	1330	20	200	4.1	23.2	HCDB/2H7005*M43HC000
80	57.5	55	45	52.5	20.3	1.2	19	1520	20	200	3.6	26.5	HCDB/2H8005*M43HC000
90	57.5	55	45	52.5	20.3	1.2	19	1710	20	200	3.2	28.1	HCDB/2H9005*M43HC000
100	57.5	55	45	52.5	20.3	1.2	19	1900	20	200	2.9	29.7	HCDB/2H1006*M43HC000
110	57.5	65	45	52.5	20.3	1.2	19	2090	20	200	2.6	31.1	HCDB/2H1106*M43HC000
120	57.5	65	45	52.5	20.3	1.2	19	2280	20	200	2.4	32.5	HCDB/2H1206*M43HC000

Note: (1)"\*" = capacitance tolerance code, J=±5%,K=±10%.  
 (2)"I<sub>max</sub>" is the max. current effective value@f=10kHz Θamb=70°C,ΔT ≤15°C.

Outline Dimensions

U <sub>N,85°C</sub> =600Vd.c.U <sub>N,105°C</sub> =450Vd.c.U <sub>N,115°C</sub> =420Vd.c.U <sub>N,125°C</sub> =360Vd.c.													
C <sub>N</sub> (μF)	W±1 (mm)	H±1 (mm)	B±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	î (A)	tanδ(×10 <sup>-4</sup> )		ESR@10kHz (mΩ)	I <sub>max</sub> (A)	Ordering Information
									1kHz	10kHz			
1.5	32	20	11	27.5	-	0.8	50	75	8	70	37.6	3.3	HCDB/1U1504*B21HC000
3	32	25	13	27.5	-	0.8	50	150	8	70	18.8	5.2	HCDB/1U3004*B21HC000
4	32	28	14	27.5	-	0.8	50	200	8	70	14.1	6.1	HCDB/1U4004*B21HC000
5	32	30	16	27.5	-	1.0	50	250	8	70	11.3	7.7	HCDB/1U5004*B22HC000
6	32	33	18	27.5	-	1.0	50	300	8	70	9.4	8.7	HCDB/1U6004*B22HC000
7	32	33	18	27.5	-	1.0	50	350	8	70	8.1	9.4	HCDB/1U7004*B22HC000
8	32	37	22	27.5	-	1.2	50	400	8	70	7.1	11.1	HCDB/1U8004*B23HC000
9	32	37	22	27.5	-	1.2	50	450	8	70	6.3	11.7	HCDB/1U9004*B23HC000
10	32	37	22	27.5	-	1.2	50	500	8	70	5.6	12.4	HCDB/1U1005*B23HC000
12	42	40	20	37.5	-	1.2	33	396	11	95	9.5	10.7	HCDB/1U1205*F23HC000
15	42	44	24	37.5	10.2	1.0	33	495	11	95	7.6	12.8	HCDB/1U1505*F42HC000
18	42	44	24	37.5	10.2	1.0	33	594	11	95	6.3	14.0	HCDB/1U1805*F42HC000
20	42	44	24	37.5	10.2	1.0	33	660	11	95	5.7	14.8	HCDB/1U2005*F42HC000
25	42	45	30	37.5	20.3	1.2	33	825	11	95	4.5	18.1	HCDB/1U2505*F43HC000
35	42	55	40	37.5	20.3	1.2	33	1155	11	95	3.2	23.5	HCDB/1U3505*F43HC000
40	42	55	40	37.5	20.3	1.2	33	1320	11	95	2.8	25.0	HCDB/1U4005*F43HC000
45	42	60	45	37.5	20.3	1.2	33	1485	11	95	2.5	27.5	HCDB/1U4505*F43HC000
50	42	60	45	37.5	20.3	1.2	33	1650	11	95	2.3	29.2	HCDB/1U5005*F43HC000
35	57.5	45	30	52.5	20.3	1.2	22	770	19	180	6.8	16.5	HCDB/1U3505*M43HC000
40	57.5	50	35	52.5	20.3	1.2	22	880	19	180	5.9	19.1	HCDB/1U4005*M43HC000
45	57.5	50	35	52.5	20.3	1.2	22	990	19	180	5.3	20.2	HCDB/1U4505*M43HC000
65	57.5	55	45	52.5	20.3	1.2	22	1430	19	180	3.7	25.9	HCDB/1U6505*M43HC000
75	57.5	65	45	52.5	20.3	1.2	22	1650	19	180	3.2	28.3	HCDB/1U7505*M43HC000
80	57.5	65	45	52.5	20.3	1.2	22	1760	19	180	3.0	29.2	HCDB/1U8005*M43HC000
85	57.5	65	45	52.5	20.3	1.2	22	1870	19	180	2.8	30.1	HCDB/1U8505*M43HC000

Note: (1)“\*”=capacitance tolerance code, J=±5%,K=±10%.  
 (2)“I<sub>max</sub>” is the max. current effective value@f=10kHz Θamb=70°C,ΔT ≤15°C.

Outline Dimensions

U <sub>N,85°C</sub> =700Vd.c.U <sub>N,105°C</sub> =550Vd.c.U <sub>N,115°C</sub> =490Vd.c.U <sub>N,125°C</sub> =420Vd.c.													
C <sub>N</sub> (μF)	W±1 (mm)	H±1 (mm)	B±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	İ (A)	tanδ(×10 <sup>-4</sup> )		ESR@10kHz (mΩ)	I <sub>max</sub> (A)	Ordering Information
									1kHz	10kHz			
1	32	18	9	27.5	-	0.8	55	55	8	60	51.2	2.7	HCDB/1V1004*B21HC000
1.5	32	20	11	27.5	-	0.8	55	82	8	60	34.1	3.5	HCDB/1V1504*B21HC000
2	32	22	13	27.5	-	0.8	55	110	8	60	25.6	4.2	HCDB/1V2004*B21HC000
2.5	32	25	13	27.5	-	0.8	55	137	8	60	20.5	5.1	HCDB/1V2504*B21HC000
3	32	28	14	27.5	-	0.8	55	165	8	60	17.1	5.6	HCDB/1V3004*B21HC000
4	32	30	16	27.5	-	1.0	55	220	8	60	12.8	7.3	HCDB/1V4004*B22HC000
5	32	33	18	27.5	-	1.0	55	275	8	60	10.2	8.4	HCDB/1V5004*B22HC000
5.5	32	33	18	27.5	-	1.0	55	302	8	60	9.3	8.8	HCDB/1V5504*B22HC000
7	32	37	22	27.5	-	1.2	55	385	8	60	7.3	10.9	HCDB/1V7004*B23HC000
8	32	37	22	27.5	-	1.2	55	440	8	60	6.4	11.7	HCDB/1V8004*B23HC000
8	42	33	18	37.5	-	1.2	37	296	10	90	12.8	8.4	HCDB/1V8004*F23HC000
10	42	40	20	37.5	-	1.2	37	370	10	90	10.3	10.3	HCDB/1V1005*F23HC000
15	42	44	24	37.5	10.2	1.0	37	555	10	90	6.8	13.5	HCDB/1V1505*F42HC000
20	42	45	30	37.5	20.3	1.2	37	740	10	90	5.1	17.1	HCDB/1V2005*F43HC000
25	42	50	35	37.5	20.3	1.2	37	925	10	90	4.1	20.0	HCDB/1V2505*F43HC000
30	42	55	40	37.5	20.3	1.2	37	1110	10	90	3.4	22.9	HCDB/1V3005*F43HC000
40	42	60	45	37.5	20.3	1.2	37	1480	10	90	2.6	27.5	HCDB/1V4005*F43HC000
30	57.5	45	30	52.5	20.3	1.2	25	750	18	170	7.1	16.2	HCDB/1V3005*M43HC000
35	57.5	50	35	52.5	20.3	1.2	25	875	18	170	6.1	18.8	HCDB/1V3505*M43HC000
40	57.5	50	35	52.5	20.3	1.2	25	1000	18	170	5.3	20.0	HCDB/1V4005*M43HC000
50	57.5	55	45	52.5	20.3	1.2	25	1250	18	170	4.3	24.0	HCDB/1V5005*M43HC000
55	57.5	55	45	52.5	20.3	1.2	25	1375	18	170	3.9	25.2	HCDB/1V5505*M43HC000
60	57.5	65	45	52.5	20.3	1.2	25	1500	18	170	3.6	26.8	HCDB/1V6005*M43HC000
65	57.5	65	45	52.5	20.3	1.2	25	1625	18	170	3.3	28.0	HCDB/1V6505*M43HC000

Note: (1) “\*”=capacitance tolerance code, J=±5%,K=±10%.  
 (2) “I<sub>max</sub>” is the max. current effective value@f=10kHz Θamb=70°C,ΔT ≤15°C.

Outline Dimensions

U <sub>N,85°C</sub> =800Vd.c.U <sub>N,105°C</sub> =630Vd.c.U <sub>N,115°C</sub> =560Vd.c.U <sub>N,125°C</sub> =480Vd.c.													
C <sub>N</sub> (μF)	W±1 (mm)	H±1 (mm)	B±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	î (A)	tanδ(×10 <sup>-4</sup> )		ESR@10kHz (mΩ)	I <sub>max</sub> (A)	Ordering Information
									1kHz	10kHz			
1	32	20	11	27.5	-	0.8	60	60	7	60	46.8	3.0	HCDB/2K1004*B21HC000
1.5	32	22	13	27.5	-	0.8	60	90	7	60	31.2	3.7	HCDB/2K1504*B21HC000
2	32	25	13	27.5	-	0.8	60	120	7	60	23.4	4.7	HCDB/2K2004*B21HC000
2.5	32	28	14	27.5	-	0.8	60	150	7	60	18.7	5.4	HCDB/2K2504*B21HC000
3	32	28	18	27.5	-	1.0	60	180	7	60	15.6	6.5	HCDB/2K3004*B22HC000
4	32	33	18	27.5	-	1.0	60	240	7	60	11.7	7.8	HCDB/2K4004*B22HC000
5	32	37	22	27.5	-	1.2	60	300	7	60	9.4	9.6	HCDB/2K5004*B23HC000
6	32	37	22	27.5	-	1.2	60	360	7	60	7.8	10.6	HCDB/2K6004*B23HC000
6.5	32	37	22	27.5	-	1.2	60	390	7	60	7.2	11.0	HCDB/2K6504*B23HC000
6.5	42	33	18	37.5	-	1.2	40	260	10	85	14.4	7.8	HCDB/2K6504*F23HC000
7	42	40	20	37.5	-	1.2	40	280	10	85	13.4	9.0	HCDB/2K7004*F23HC000
8	42	40	20	37.5	-	1.2	40	320	10	85	11.7	9.6	HCDB/2K8004*F23HC000
9	42	40	20	37.5	-	1.2	40	360	10	85	10.4	10.2	HCDB/2K9004*F23HC000
10	42	44	24	37.5	10.2	1.0	40	400	10	85	9.4	11.5	HCDB/2K1005*F42HC000
12	42	44	24	37.5	10.2	1.0	40	480	10	85	7.8	12.6	HCDB/2K1205*F42HC000
15	42	45	30	37.5	20.3	1.0	40	600	10	85	6.2	15.5	HCDB/2K1505*F42HC000
18	42	46	35	37.5	20.3	1.2	40	720	10	85	5.2	17.8	HCDB/2K1805*F43HC000
20	42	50	35	37.5	20.3	1.2	40	800	10	85	4.7	18.8	HCDB/2K2005*F43HC000
25	42	55	40	37.5	20.3	1.2	40	1000	10	85	3.7	21.9	HCDB/2K2505*F43HC000
30	42	60	45	37.5	20.3	1.2	40	1200	10	85	3.1	24.9	HCDB/2K3005*F43HC000
30	57.5	50	35	52.5	20.3	1.2	28	840	16	160	6.5	18.3	HCDB/2K3005*M43HC000
45	57.5	55	45	52.5	20.3	1.2	28	1260	16	160	4.3	23.9	HCDB/2K4505*M43HC000
55	57.5	65	45	52.5	20.3	1.2	28	1540	16	160	3.5	27.0	HCDB/2K5505*M43HC000

Note: (1)“\*”=capacitance tolerance code, J=±5%,K=±10%.  
 (2)“I<sub>max</sub>” is the max. current effective value@f=10kHz Θamb=70°C,ΔT ≤15°C.

Outline Dimensions

U <sub>N,85°C</sub> =900Vd.c.U <sub>N,105°C</sub> =700Vd.c.U <sub>N,115°C</sub> =630Vd.c.U <sub>N,125°C</sub> =540Vd.c.													
C <sub>N</sub> (μF)	W±1 (mm)	H±1 (mm)	B±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	î (A)	tanδ(×10 <sup>-4</sup> )		ESR@10kHz (mΩ)	I <sub>max</sub> (A)	Ordering Information
									1kHz	10kHz			
1	32	20	11	27.5	-	0.8	65	65	7	60	43.2	3.1	HCDB/1X1004*B21HC000
1.5	32	25	13	27.5	-	0.8	65	97	7	60	28.8	4.3	HCDB/1X1504*B21HC000
2	32	28	14	27.5	-	0.8	65	130	7	60	21.6	5.0	HCDB/1X2004*B21HC000
3	32	33	18	27.5	-	1.0	65	195	7	60	14.4	7.1	HCDB/1X3004*B22HC000
5	32	37	22	27.5	-	1.0	65	325	7	60	8.6	10.0	HCDB/1X5004*B22HC000
5	42	33	18	37.5	-	1.0	45	225	9	80	17.2	7.2	HCDB/1X5004*F22HC000
6	42	40	20	37.5	-	1.0	45	270	9	80	14.3	8.7	HCDB/1X6004*F22HC000
7	42	40	20	37.5	-	1.0	45	315	9	80	12.3	9.4	HCDB/1X7004*F22HC000
8	42	40	20	37.5	-	1.0	45	360	9	80	10.8	10.0	HCDB/1X8004*F22HC000
9	42	44	24	37.5	-	1.2	45	405	9	80	9.6	11.4	HCDB/1X9004*F23HC000
10	42	44	24	37.5	-	1.2	45	450	9	80	8.6	12.0	HCDB/1X1005*F23HC000
12	42	45	30	37.5	20.3	1.0	45	540	9	80	7.2	14.6	HCDB/1X1205*F42HC000
15	42	46	35	37.5	20.3	1.2	45	675	9	80	5.7	17.0	HCDB/1X1505*F43HC000
18	42	50	35	37.5	20.3	1.2	45	810	9	80	4.8	18.6	HCDB/1X1805*F43HC000
25	42	60	45	37.5	20.3	1.2	45	1125	9	80	3.4	23.8	HCDB/1X2505*F43HC000
28	42	60	45	37.5	20.3	1.2	45	1260	9	80	3.1	25.1	HCDB/1X2805*F43HC000
20	57.5	45	30	52.5	20.3	1.2	30	600	15	150	8.9	14.6	HCDB/1X2005*M43HC000
25	57.5	50	35	52.5	20.3	1.2	30	750	15	150	7.2	17.4	HCDB/1X2505*M43HC000
35	57.5	55	45	52.5	20.3	1.2	30	1050	15	150	5.1	22.0	HCDB/1X3505*M43HC000
45	57.5	65	45	52.5	20.3	1.2	30	1350	15	150	4.0	25.3	HCDB/1X4505*M43HC000
U <sub>N,85°C</sub> =1000Vd.c.U <sub>N,105°C</sub> =780Vd.c.U <sub>N,115°C</sub> =700Vd.c.U <sub>N,125°C</sub> =600Vd.c.													
C <sub>N</sub> (μF)	W±1 (mm)	H±1 (mm)	B±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	î (A)	tanδ(×10 <sup>-4</sup> )		ESR@10kHz (mΩ)	I <sub>max</sub> (A)	Ordering Information
									1kHz	10kHz			
0.6	32	20	11	27.5	-	0.8	77	46	7	55	62.6	2.6	HCDB/3A6003*B21HC000
1.5	32	28	14	27.5	-	0.8	77	115	7	55	25.0	4.6	HCDB/3A1504*B21HC000
2.5	32	33	18	27.5	-	1.0	77	192	7	55	15.0	6.9	HCDB/3A2504*B22HC000
4	32	37	22	27.5	-	1.0	77	308	7	55	9.4	9.6	HCDB/3A4004*B22HC000
4	42	33	18	37.5	-	1.0	52	208	9	75	18.6	6.9	HCDB/3A4004*F22HC000
5	42	40	20	37.5	-	1.0	52	260	9	75	14.9	8.6	HCDB/3A5004*F22HC000
7	42	44	24	37.5	-	1.2	52	364	9	75	10.6	10.8	HCDB/3A7004*F23HC000

Note: (1)"\*" = capacitance tolerance code, J=±5%,K=±10%.  
 (2)"I<sub>max</sub>" is the max. current effective value@f=10kHz Θamb=70°C,ΔT ≤15°C.

Outline Dimensions

U <sub>N,85°C</sub> =1000Vd.c.U <sub>N,105°C</sub> =780Vd.c.U <sub>N,115°C</sub> =700Vd.c.U <sub>N,125°C</sub> =600Vd.c.													
C <sub>N</sub> (μF)	W±1 (mm)	H±1 (mm)	B±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	î (A)	tanδ(×10 <sup>-4</sup> )		ESR@10kHz (mΩ)	I <sub>max</sub> (A)	Ordering Information
									1kHz	10kHz			
9	42	45	30	37.5	20.3	1.0	52	468	9	75	8.3	13.5	HCDB/3A9004*F42HC000
12	42	50	35	37.5	20.3	1.2	52	624	9	75	6.2	16.4	HCDB/3A1205*F43HC000
13	42	50	35	37.5	20.3	1.2	52	676	9	75	5.7	17.0	HCDB/3A1305*F43HC000
16	42	55	40	37.5	20.3	1.2	52	832	9	75	4.6	19.6	HCDB/3A1605*F43HC000
18	57.5	50	35	52.5	20.3	1.2	35	630	14	140	8.5	16.0	HCDB/3A1805*M43HC000
20	57.5	50	35	52.5	20.3	1.2	35	700	14	140	7.7	16.8	HCDB/3A2005*M43HC000
35	57.5	65	45	52.5	20.3	1.2	35	1225	14	140	4.4	24.0	HCDB/3A3505*M43HC000
U <sub>N,85°C</sub> =1200Vd.c.U <sub>N,105°C</sub> =940Vd.c.U <sub>N,115°C</sub> =840Vd.c.U <sub>N,125°C</sub> =720Vd.c.													
C <sub>N</sub> (μF)	W±1 (mm)	H±1 (mm)	B±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	î (A)	tanδ(×10 <sup>-4</sup> )		ESR@10kHz (mΩ)	I <sub>max</sub> (A)	Ordering Information
									1kHz	10kHz			
1	32	28	14	27.5	-	0.8	90	90	6	50	31.1	4.1	HCDB/3L1004*B21HC000
1.5	32	30	16	27.5	-	0.8	90	135	6	50	20.7	5.7	HCDB/3L1504*B21HC000
2	32	33	18	27.5	-	0.8	90	180	6	50	15.5	6.8	HCDB/3L2004*B21HC000
4	42	40	20	37.5	-	1.0	60	240	8	70	15.5	8.3	HCDB/3L4004*F22HC000
5	42	44	24	37.5	-	1.2	60	300	8	70	12.4	10.0	HCDB/3L5004*F23HC000
5.5	42	44	24	37.5	-	1.2	60	330	8	70	11.3	10.5	HCDB/3L5504*F23HC000
6	42	44	24	37.5	-	1.2	60	360	8	70	10.4	10.9	HCDB/3L6004*F23HC000
7	42	45	30	37.5	20.3	1.0	60	420	8	70	8.9	13.0	HCDB/3L7004*F42HC000
7.5	42	45	30	37.5	20.3	1.0	60	450	8	70	8.3	13.4	HCDB/3L7504*F42HC000
8.5	42	46	35	37.5	20.3	1.2	60	510	8	70	7.3	15.0	HCDB/3L8504*F43HC000
9	42	46	35	37.5	20.3	1.2	60	540	8	70	6.9	15.4	HCDB/3L9004*F43HC000
10	42	50	35	37.5	20.3	1.2	60	600	8	70	6.2	16.2	HCDB/3L1005*F43HC000
11	42	55	40	37.5	20.3	1.2	60	660	8	70	5.7	17.8	HCDB/3L1105*F43HC000
12	42	55	40	37.5	20.3	1.2	60	720	8	70	5.2	18.5	HCDB/3L1205*F43HC000
15	42	60	45	37.5	20.3	1.2	60	900	8	70	4.1	21.5	HCDB/3L1505*F43HC000
16	42	60	45	37.5	20.3	1.2	60	960	8	70	3.9	22.4	HCDB/3L1605*F43HC000
20	57.5	55	45	52.5	20.3	1.2	40	800	14	140	6.5	19.5	HCDB/3L2005*F43HC000
25	57.5	65	45	52.5	20.3	1.2	40	1000	14	140	5.2	22.1	HCDB/3L2505*F43HC000

Note: (1)"\*" = capacitance tolerance code, J=±5%,K=±10%.  
 (2)"I<sub>max</sub>" is the max. current effective value@f=10kHz Θamb=70°C,ΔT ≤15°C.