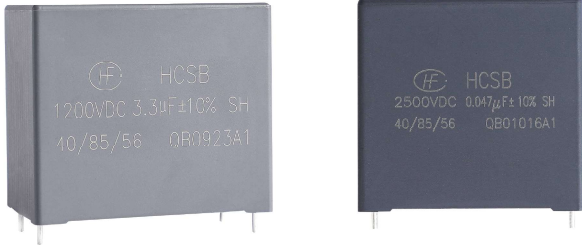


HCSB

Snubber capacitor for IGBT (PCB)




Features

- Excellent active and passive flame resistance abilities
- Low loss and small inherent temperature rise
- Square plastic case, sealed with epoxy resin (UL94 V-0)
- Excellent electrical performance

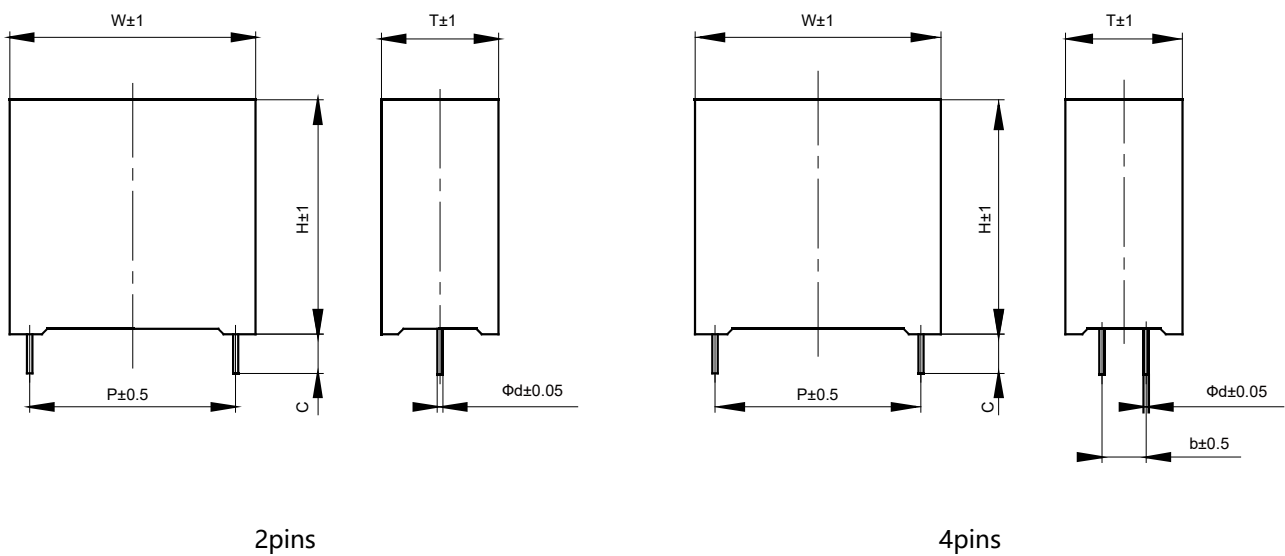
Typical Applications

- Widely used in high voltage, high frequency circuit and IGBT absorption, etc.

Safety Approvals

	UL	UL810	0.01μF-10μF, max 3000Vd.c. max 105°C File No.: E222132,CCN:CZDS2
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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)	
Climatic category	40/85/56	
Operating temperature range	-40°C~85°C	
Rated voltage	630Vd.c.~2500Vd.c.	
Capacitance range	0.047μF~10μF	
Capacitance tolerance	±5%(J),±10%(K)	
Voltage proof	1.5U _n (10s)	
Dissipation factor	≤0.0005 (1kHz,20°C)	
Insulation resistance (IR×C _N)	IR ≥ 100000MΩ, C _N ≤ 0.33μF IR×C _N ≥ 30000s, C _N > 0.33μF	(20°C, 100Vd.c., 1min)
Expected lifetime	≥ 100,000h@U _N , Θ _{hs} =70°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	S	B	/																(x	x	x)

Series code	DC Rated voltage	Rated capacitance value	Capacitance tolerance	Pitch	Lead Form	Lead Diameter	Internal code	lead form and packaging code	Internal code																
<table border="1"> <tr><td>2J=630V</td></tr> <tr><td>1V=700V</td></tr> <tr><td>1W=850V</td></tr> <tr><td>3A=1000V</td></tr> <tr><td>3L=1200V</td></tr> <tr><td>3C=1600V</td></tr> <tr><td>7M=1700V</td></tr> <tr><td>3D=2000V</td></tr> <tr><td>3E=2500V</td></tr> </table>	2J=630V	1V=700V	1W=850V	3A=1000V	3L=1200V	3C=1600V	7M=1700V	3D=2000V	3E=2500V	<p>For example: 154=15×10⁴pF =0.15μF</p>	<table border="1"> <tr><td>B=27.5mm</td></tr> <tr><td>D=32.5mm</td></tr> <tr><td>F=37.5mm</td></tr> <tr><td>M=52.5mm</td></tr> </table>	B=27.5mm	D=32.5mm	F=37.5mm	M=52.5mm	<p>J=±5% K=±10%</p>	<table border="1"> <tr><td>2=2pins</td></tr> <tr><td>4=4pins</td></tr> </table>	2=2pins	4=4pins	<table border="1"> <tr><td>1=0.8mm</td></tr> <tr><td>2=1.0mm</td></tr> <tr><td>3=1.2mm</td></tr> </table>	1=0.8mm	2=1.0mm	3=1.2mm	<p>C000: Standard lead length is 5.5mm±0.5mm figure above(bulk package)</p>	<p>To identify when the special requirements needed</p>
2J=630V																									
1V=700V																									
1W=850V																									
3A=1000V																									
3L=1200V																									
3C=1600V																									
7M=1700V																									
3D=2000V																									
3E=2500V																									
B=27.5mm																									
D=32.5mm																									
F=37.5mm																									
M=52.5mm																									
2=2pins																									
4=4pins																									
1=0.8mm																									
2=1.0mm																									
3=1.2mm																									

Outline Dimensions

630Vd.c./700Vd.c.(420Va.c.)#												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	İ (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.15	32.0	20.0	11.0	27.5	-	0.8	1200	180	11.5	3	19	HCSB/2J154*B210C000
0.22	32.0	20.0	11.0	27.5	-	0.8	1200	264	9.5	4	19	HCSB/2J224*B210C000
0.33	32.0	22.0	13.0	27.5	-	1.0	1200	396	7.5	5.5	19	HCSB/2J334*B220C000
0.47	32.0	25.0	13.0	27.5	-	1.0	1200	564	6.0	7	19	HCSB/2J474*B220C000
0.56	32.0	25.0	13.0	27.5	-	1.0	1200	672	6.0	7.5	19	HCSB/2J564*B220C000
0.68	37.0	25.0	15.0	32.5	-	1.2	900	612	6.0	6	23	HCSB/2J684*D230C000
0.68	37.0	25.0	15.0	32.5	5.1	1.0	900	612	5.0	8	23	HCSB/2J684*D420C000
1.0	37.0	30.0	16.0	32.5	-	1.2	900	900	6.0	9	23	HCSB/2J105*D230C000
1.0	37.0	30.0	16.0	32.5	5.1	1.0	900	900	5.0	11	23	HCSB/2J105*D420C000
1.2	37.0	30.0	16.0	32.5	-	1.2	900	1080	5.5	11	23	HCSB/2J125*D230C000
1.2	37.0	30.0	16.0	32.5	5.1	1.0	900	1080	4.5	13	23	HCSB/2J125*D420C000
1.5	37.0	34.0	20.0	32.5	-	1.2	900	1350	5.5	14	23	HCSB/2J155*D230C000
1.5	37.0	34.0	20.0	32.5	10.2	1.0	900	1350	4.5	17	23	HCSB/2J155*D420C000
1.8	37.0	34.0	20.0	32.5	-	1.2	900	1620	5.5	14	23	HCSB/2J185*D230C000
1.8	37.0	34.0	20.0	32.5	10.2	1.0	900	1620	4.5	18	23	HCSB/2J185*D420C000
2.0	42.0	40.0	20.0	37.5	-	1.2	600	1200	5.0	14	29	HCSB/2J205*F230C000
2.0	42.0	40.0	20.0	37.5	10.2	1.2	600	1200	4.0	18	29	HCSB/2J205*F430C000
2.2	42.0	40.0	20.0	37.5	-	1.2	600	1320	5.0	14	29	HCSB/2J225*F230C000
2.2	42.0	40.0	20.0	37.5	10.2	1.2	600	1320	4.0	18.5	29	HCSB/2J225*F430C000
2.5	42.0	40.0	20.0	37.5	-	1.2	600	1500	5.0	14	29	HCSB/2J255*F230C000
2.5	42.0	40.0	20.0	37.5	10.2	1.2	600	1500	4.0	19	29	HCSB/2J255*F430C000
3.0	42.0	44.0	24.0	37.5	-	1.2	600	1800	5.0	14	29	HCSB/2J305*F230C000
3.0	42.0	44.0	24.0	37.5	10.2	1.2	600	1800	4.0	20	29	HCSB/2J305*F430C000
3.3	42.0	44.0	24.0	37.5	-	1.2	600	1980	4.5	14	29	HCSB/2J335*F230C000
3.3	42.0	44.0	24.0	37.5	10.2	1.2	600	1980	3.5	20	29	HCSB/2J335*F430C000
4.0	42.0	44.0	24.0	37.5	-	1.2	600	2400	4.5	14	29	HCSB/2J405*F230C000
4.0	42.0	44.0	24.0	37.5	10.2	1.2	600	2400	3.5	21	29	HCSB/2J405*F430C000
4.7	42.0	45.0	30.0	37.5	20.3	1.2	600	2820	3.5	23	29	HCSB/2J475*F430C000
5.0	42.0	45.0	30.0	37.5	20.3	1.2	600	3000	3.0	23.5	29	HCSB/2J505*F430C000
6.0	57.5	45.0	25.0	52.5	10.2	1.2	360	2160	3.0	23.5	33	HCSB/2J655*M430C000

Note: (1) "# when the rated voltage is 700Vd.c., the digit 6~7 is 1V;
 (2) "ESR", "Ls" are typical values.

Outline Dimensions

630Vd.c./700Vd.c.(420Va.c.)#												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	I [∧] (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
6.5	57.5	45.0	30.0	52.5	20.3	1.2	360	2340	3.0	23.5	33	HCSB/2J655*M430C000
6.8	57.5	45.0	30.0	52.5	20.3	1.2	360	2448	2.5	24	33	HCSB/2J685*M430C000
7.0	57.5	45.0	30.0	52.5	20.3	1.2	360	2520	2.5	25	33	HCSB/2J705*M430C000
8.0	57.5	50.0	35.0	52.5	20.3	1.2	360	2880	2.5	27	33	HCSB/2J805*M430C000
8.2	57.5	50.0	35.0	52.5	20.3	1.2	360	2952	2.5	27	33	HCSB/2J825*M430C000
9.0	57.5	50.0	35.0	52.5	20.3	1.2	360	3240	2.5	28	33	HCSB/2J905*M430C000
10.0	57.5	50.0	35.0	52.5	20.3	1.2	360	3600	2.5	28.5	33	HCSB/2J106*M430C000
850Vd.c.(450Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	I [∧] (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.10	32	18	9	27.5	-	0.8	1400	140	13.5	3	19	HCSB/1W104*B210C000
0.15	32	20	11	27.5	-	0.8	1400	210	10.5	4.5	19	HCSB/1W154*B210C000
0.22	32	20	11	27.5	-	1.0	1400	308	8.0	5	19	HCSB/1W224*B220C000
0.33	32	22	13	27.5	-	1.0	1400	462	6.5	6	19	HCSB/1W334*B220C000
0.47	37	25	15	32.5	-	1.2	1200	564	6.0	6	23	HCSB/1W474*D230C000
0.47	37	25	15	32.5	5.1	1.0	1200	564	5.0	8	23	HCSB/1W474*D420C000
0.68	37	30	16	32.5	-	1.2	1200	816	6.0	9	23	HCSB/1W684*D230C000
0.68	37	30	16	32.5	5.1	1.0	1200	816	5.0	11	23	HCSB/1W684*D420C000
1.0	37	34	20	32.5	-	1.2	1200	1200	6.0	11	23	HCSB/1W105*D230C000
1.0	37	34	20	32.5	10.2	1.0	1200	1200	5.0	13	23	HCSB/1W105*D420C000
1.2	37	34	20	32.5	-	1.2	1200	1440	6.0	13	23	HCSB/1W125*D230C000
1.2	37	34	20	32.5	10.2	1.0	1200	1440	5.0	15	23	HCSB/1W125*D420C000
1.5	37	34	20	32.5	-	1.2	1200	1800	6.0	14	23	HCSB/1W155*D230C000
1.5	37	34	20	32.5	10.2	1.0	1200	1800	5.0	18	23	HCSB/1W155*D420C000
1.5	42	40	20	37.5	-	1.2	750	1125	5.5	14	29	HCSB/1W155*F230C000
1.5	42	40	20	37.5	10.2	1.2	750	1125	4.5	18.5	29	HCSB/1W155*F430C000
2.0	42	40	20	37.5	-	1.2	750	1500	5.5	14	29	HCSB/1W205*F230C000
2.0	42	40	20	37.5	10.2	1.2	750	1500	4.5	19	29	HCSB/1W205*F430C000
2.2	42	40	20	37.5	-	1.2	750	1650	5.5	14	29	HCSB/1W225*F230C000
2.2	42	40	20	37.5	10.2	1.2	750	1650	4.5	19.5	29	HCSB/1W225*F430C000

Note: (1) The above are normal types, for the special types, please contact with relative person;
 (2) "ESR", "Ls" are typical values.

Outline Dimensions

850Vd.c.(450Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	İ (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
2.5	42	44	24	37.5	-	1.2	750	1875	5.5	14	29	HCSB/1W255*F230C000
2.5	42	44	24	37.5	10.2	1.2	750	1875	4.5	20	29	HCSB/1W255*F430C000
3.0	42	44	24	37.5	-	1.2	750	2250	5.5	14	29	HCSB/1W305*F230C000
3.0	42	44	24	37.5	10.2	1.2	750	2250	4.5	21	29	HCSB/1W305*F430C000
3.3	42	45	30	37.5	20.3	1.2	750	2475	4.5	21.5	29	HCSB/1W335*F430C000
4.0	42	46	35	37.5	20.3	1.2	750	3000	4.5	22	29	HCSB/1W405*F430C000
4.7	42	50	35	37.5	20.3	1.2	750	3525	4.5	23	29	HCSB/1W475*F430C000
3.3	57.5	45	25	52.5	10.2	1.2	450	1485	4.0	17	33	HCSB/1W335*M430C000
4.0	57.5	45	25	52.5	20.3	1.2	450	1800	4.0	23	33	HCSB/1W405*M430C000
4.7	57.5	45	30	52.5	20.3	1.2	450	2115	4.0	24.5	33	HCSB/1W475*M430C000
5.0	57.5	45	30	52.5	20.3	1.2	450	2250	4.0	25	33	HCSB/1W505*M430C000
5.6	57.5	50	35	52.5	20.3	1.2	450	2520	4.0	25.5	33	HCSB/1W565*M430C000
6.0	57.5	50	35	52.5	20.3	1.2	450	2700	4.0	26	33	HCSB/1W605*M430C000
6.5	57.5	50	35	52.5	20.3	1.2	450	2925	4.0	27	33	HCSB/1W655*M430C000
6.8	57.5	50	35	52.5	20.3	1.2	450	3060	4.0	27.5	33	HCSB/1W685*M430C000
1000Vd.c.(500Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	İ (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.068	32	18	9	27.5	-	0.8	1600	108.8	17.0	3	19	HCSB/3A683*B210C000
0.10	32	20	11	27.5	-	0.8	1600	160	12.5	4	19	HCSB/3A104*B210C000
0.15	32	20	11	27.5	-	0.8	1600	240	10.0	5	19	HCSB/3A154*B210C000
0.22	32	22	13	27.5	-	1.0	1600	352	7.5	7	19	HCSB/3A224*B220C000
0.33	32	24	15	27.5	-	1.0	1600	528	6.0	8.5	19	HCSB/3A334*B220C000
0.47	37	25	15	32.5	-	1.2	1300	611	6.0	6	23	HCSB/3A474*D230C000
0.47	37	25	15	32.5	5.1	1.0	1300	611	5.0	8	23	HCSB/3A474*D420C000
0.68	37	30	16	32.5	-	1.2	1300	884	6.0	7	23	HCSB/3A684*D230C000
0.68	37	30	16	32.5	5.1	1.0	1300	884	5.0	9	23	HCSB/3A684*D420C000
0.82	37	30	16	32.5	-	1.2	1300	1066	6.0	9	23	HCSB/3A824*D230C000
0.82	37	30	16	32.5	5.1	1.0	1300	1066	5.0	11	23	HCSB/3A824*D420C000
1.0	37	34	20	32.5	-	1.2	1300	1300	5.5	12	23	HCSB/3A105*D230C000

Note: (1) The above are normal types, for the special types, please contact with relative person;
 (2) "ESR", "Ls" are typical values.

Outline Dimensions

1000Vd.c.(500Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	İ (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
1.0	37	34	20	32.5	10.2	1.0	1300	1300	4.5	14	23	HCSB/3A105*D420C000
1.2	37	34	20	32.5	-	1.2	1300	1560	5.5	14	23	HCSB/3A125*D230C000
1.2	37	34	20	32.5	10.2	1.0	1300	1560	4.5	17	23	HCSB/3A125*D420C000
1.2	42	40	20	37.5	-	1.2	850	1020	5.5	14	29	HCSB/3A125*F230C000
1.2	42	40	20	37.5	10.2	1.2	850	1020	4.5	16	29	HCSB/3A125*F430C000
1.5	42	40	20	37.5	-	1.2	850	1275	5.5	14	29	HCSB/3A155*F230C000
1.5	42	40	20	37.5	10.2	1.2	850	1275	4.5	16	29	HCSB/3A155*F430C000
2.0	42	44	24	37.5	-	1.2	850	1700	5.5	14	29	HCSB/3A205*F230C000
2.0	42	44	24	37.5	10.2	1.2	850	1700	4.5	17	29	HCSB/3A205*F430C000
2.2	42	44	24	37.5	-	1.2	850	1870	5.0	14	29	HCSB/3A225*F230C000
2.2	42	44	24	37.5	10.2	1.2	850	1870	4.0	20	29	HCSB/3A225*F430C000
2.5	42	45	30	37.5	20.3	1.2	850	2125	4.0	21	29	HCSB/3A255*F430C000
3.0	42	45	30	37.5	20.3	1.2	850	2550	4.0	21.5	29	HCSB/3A305*F430C000
3.3	42	50	35	37.5	20.3	1.2	850	2805	4.0	22	29	HCSB/3A335*F430C000
3.0	57.5	45	25	52.5	10.2	1.2	500	1500	4.0	19	33	HCSB/3A305*M430C000
3.3	57.5	45	30	52.5	20.3	1.2	500	1650	4.0	20	33	HCSB/3A335*M430C000
4.0	57.5	45	30	52.5	20.3	1.2	500	2000	4.0	21	33	HCSB/3A405*M430C000
4.7	57.5	50	35	52.5	20.3	1.2	500	2350	4.0	22	33	HCSB/3A475*M430C000
5.0	57.5	50	35	52.5	20.3	1.2	500	2500	4.0	23	33	HCSB/3A505*M430C000
1200Vd.c.(600Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	İ (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.047	32	18	9	27.5	-	0.8	1700	79.9	21.0	3	19	HCSB/3L473*B210C000
0.068	32	18	9	27.5	-	0.8	1700	115.6	17.0	4	19	HCSB/3L683*B210C000
0.10	32	20	11	27.5	-	0.8	1700	170	13.5	5.5	19	HCSB/3L104*B210C000
0.15	32	22	13	27.5	-	1.0	1700	255	10.0	6.5	19	HCSB/3L154*B220C000
0.22	32	25	13	27.5	-	1.0	1700	374	7.0	9.0	19	HCSB/3L224*B220C000
0.33	37	25	15	32.5	-	1.2	1500	495	6.5	6	23	HCSB/3L334*D230C000
0.33	37	25	15	32.5	5.1	1.0	1500	495	5.5	8	23	HCSB/3L334*D420C000
0.47	37	30	16	32.5	-	1.2	1500	705	6.5	8	23	HCSB/3L474*D230C000

Note: (1) The above are normal types, for the special types, please contact with relative person;
 (2) "ESR", "Ls" are typical values.

Outline Dimensions

1200Vd.c.(600Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	İ (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.47	37	30	16	32.5	5.1	1.0	1500	705	5.5	10	23	HCSB/3L474*D420C000
0.68	37	34	20	32.5	-	1.2	1500	1020	6.5	9	23	HCSB/3L684*D230C000
0.68	37	34	20	32.5	10.2	1.0	1500	1020	5.5	11	23	HCSB/3L684*D420C000
0.75	37	34	20	32.5	-	1.2	1500	1125	6.5	10	23	HCSB/3L754*D230C000
0.75	37	34	20	32.5	10.2	1.0	1500	1125	5.5	12	23	HCSB/3L754*D420C000
0.82	42	40	20	37.5	-	1.2	950	779	6.0	11	29	HCSB/3L824*F230C000
0.82	42	40	20	37.5	10.2	1.2	950	779	5.0	13	29	HCSB/3L824*F430C000
1.0	42	40	20	37.5	-	1.2	950	950	6.0	13	29	HCSB/3L105*F230C000
1.0	42	40	20	37.5	10.2	1.2	950	950	5.0	15	29	HCSB/3L105*F430C000
1.2	42	44	24	37.5	-	1.2	950	1140	5.5	14	29	HCSB/3L125*F230C000
1.2	42	44	24	37.5	10.2	1.2	950	1140	4.5	17	29	HCSB/3L125*F430C000
1.5	42	44	24	37.5	-	1.2	950	1425	5.5	14	29	HCSB/3L155*F230C000
1.5	42	44	24	37.5	10.2	1.2	950	1425	4.5	17.5	29	HCSB/3L155*F430C000
2.0	42	45	30	37.5	20.3	1.2	950	1900	4.5	18	29	HCSB/3L205*F430C000
2.2	42	46	35	37.5	20.3	1.2	950	2090	4.5	19	29	HCSB/3L225*F430C000
2.2	57.5	45	30	52.5	20.3	1.2	600	1320	4.0	18	33	HCSB/3L225*M430C000
2.5	57.5	45	30	52.5	20.3	1.2	600	1500	4.0	19	33	HCSB/3L255*M430C000
3.0	57.5	45	30	52.5	20.3	1.2	600	1800	4.0	20	33	HCSB/3L305*M430C000
3.3	57.5	50	35	52.5	20.3	1.2	600	1980	4.0	21	33	HCSB/3L335*M430C000
3.5	57.5	50	35	52.5	20.3	1.2	600	2100	4.0	22	33	HCSB/3L355*M430C000
1600Vd.c.(650Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	İ (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.033	32	18	9	27.5	-	0.8	2100	69.3	29.5	2	19	HCSB/3C333*B210C000
0.047	32	18	9	27.5	-	0.8	2100	98.7	22.5	2.5	19	HCSB/3C473*B210C000
0.068	32	20	11	27.5	-	0.8	2100	142.8	16.0	4	19	HCSB/3C683*B210C000
0.10	32	22	13	27.5	-	1.0	2100	210	12.0	6	19	HCSB/3C104*B220C000
0.15	32	30	16	27.5	-	1.0	2100	315	8.5	6.5	19	HCSB/3C154*B220C000
0.22	37	25	15	32.5	-	1.2	1900	418	7.5	6	23	HCSB/3C224*D230C000
0.22	37	25	15	32.5	5.1	1.0	1900	418	6.5	7	23	HCSB/3C224*D420C000

Note: (1) The above are normal types, for the special types, please contact with relative person;
 (2) "ESR", "Ls" are typical values.

Outline Dimensions

1600Vd.c.(650Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	İ (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.33	37	30	16	32.5	-	1.2	1900	627	7.5	7.5	23	HCSB/3C334*D230C000
0.33	37	30	16	32.5	5.1	1.0	1900	627	6.5	9	23	HCSB/3C334*D420C000
0.39	37	34	20	32.5	-	1.2	1900	741	7.0	9	23	HCSB/3C394*D230C000
0.39	37	34	20	32.5	10.2	1.0	1900	741	6.0	11	23	HCSB/3C394*D420C000
0.47	37	34	20	32.5	-	1.2	1900	893	7.0	11	23	HCSB/3C474*D230C000
0.47	37	34	20	32.5	10.2	1.0	1900	893	6.0	13	23	HCSB/3C474*D420C000
0.68	42	40	20	37.5	-	1.2	1250	850	4.0	14	29	HCSB/3C684*F230C000
0.68	42	40	20	37.5	10.2	1.2	1250	850	4.0	16	29	HCSB/3C684*F430C000
0.82	42	44	24	37.5	-	1.2	1250	1025	4.0	14	29	HCSB/3C824*F230C000
0.82	42	44	24	37.5	10.2	1.2	1250	1025	4.0	17	29	HCSB/3C824*F430C000
1.0	42	45	30	37.5	20.3	1.2	1250	1250	4.0	17.5	29	HCSB/3C105*F430C000
1.2	42	45	30	37.5	20.3	1.2	1250	1500	4.0	18	29	HCSB/3C125*F430C000
1.5	42	43	42	37.5	20.3	1.2	1250	1875	4.0	19	29	HCSB/3C155*F430C000
1.5	57.5	45	25	52.5	10.2	1.2	750	1125	4.0	20	33	HCSB/3C155*M430C000
2.0	57.5	50	35	52.5	20.3	1.2	750	1500	4.0	22	33	HCSB/3C205*M430C000
1700Vd.c.(675Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	İ (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.033	32	18	9	27.5	-	0.8	2300	75.9	29.5	3	19	HCSB/7M333*B210C000
0.047	32	18	9	27.5	-	0.8	2300	108.1	22.5	4.5	19	HCSB/7M473*B210C000
0.068	32	20	11	27.5	-	0.8	2300	156.4	18.0	5.0	19	HCSB/7M683*B210C000
0.10	32	22	13	27.5	-	1.0	2300	230	12.5	7.5	19	HCSB/7M104*B220C000
0.15	37	25	15	32.5	-	1.2	2000	300	8.5	5	23	HCSB/7M154*D230C000
0.15	37	25	15	32.5	5.1	1.0	2000	300	7.5	6	23	HCSB/7M154*D420C000
0.22	37	30	16	32.5	-	1.2	2000	440	7.5	6	23	HCSB/7M224*D230C000
0.22	37	30	16	32.5	5.1	1.0	2000	440	6.5	8	23	HCSB/7M224*D420C000
0.33	37	34	20	32.5	-	1.2	2000	660	7.0	9	23	HCSB/7M334*D230C000
0.33	37	34	20	32.5	10.2	1.0	2000	660	6.0	10.5	23	HCSB/7M334*D420C000
0.39	37	34	20	32.5	-	1.2	2000	780	7.0	10	23	HCSB/7M394*D230C000
0.39	37	34	20	32.5	10.2	1.0	2000	780	6.0	12	23	HCSB/7M394*D420C000

Note: (1) The above are normal types, for the special types, please contact with relative person;
 (2) "ESR", "Ls" are typical values.

Outline Dimensions

1700Vd.c.(675Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	Î (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.47	42	40	20	37.5	-	1.2	1250	587.5	6.0	12	29	HCSB/7M474*F230C000
0.47	42	40	20	37.5	10.2	1.2	1250	587.5	5.0	14	29	HCSB/7M474*F430C000
0.56	42	40	20	37.5	-	1.2	1250	700	6.0	13	29	HCSB/7M564*F230C000
0.56	42	40	20	37.5	10.2	1.2	1250	700	5.0	15	29	HCSB/7M564*F430C000
0.68	42	44	24	37.5	-	1.2	1250	850	6.0	14	29	HCSB/7M684*F230C000
0.68	42	44	24	37.5	10.2	1.2	1250	850	5.0	16	29	HCSB/7M684*F430C000
0.82	42	44	24	37.5	-	1.2	1250	1025	5.5	14	29	HCSB/7M824*F230C000
0.82	42	44	24	37.5	10.2	1.2	1250	1025	4.5	17	29	HCSB/7M824*F430C000
1.0	42	45	30	37.5	20.3	1.2	1250	1250	4.5	18	29	HCSB/7M105*F430C000
1.0	57.5	45	25	52.5	10.2	1.2	780	780	4.0	16	33	HCSB/7M105*M430C000
1.2	57.5	45	30	52.5	20.3	1.2	780	936	4.0	17	33	HCSB/7M125*M430C000
1.5	57.5	45	30	52.5	20.3	1.2	780	1170	4.0	20	33	HCSB/7M155*M430C000
2.0	57.5	50	35	52.5	20.3	1.2	780	1560	4.0	22	33	HCSB/7M205*M430C000
2000Vd.c.(700Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	Î (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.022	32	18	9	27.5	-	0.8	2500	55	37.5	2	19	HCSB/3D223*B210C000
0.033	32	20	11	27.5	-	0.8	2500	82.5	27.5	3	19	HCSB/3D333*B210C000
0.047	32	20	11	27.5	-	0.8	2500	117.5	22.5	5	19	HCSB/3D473*B210C000
0.068	32	20	11	27.5	-	1.0	2500	170	16.0	6.5	19	HCSB/3D683*B220C000
0.10	37	25	15	32.5	-	1.2	2200	220	9.5	5	23	HCSB/3D104*D230C000
0.10	37	25	15	32.5	5.1	1.0	2200	220	8.5	6	23	HCSB/3D104*D420C000
0.15	37	25	15	32.5	-	1.2	2200	330	9.5	6	23	HCSB/3D154*D230C000
0.15	37	25	15	32.5	5.1	1.0	2200	330	8.5	8	23	HCSB/3D154*D420C000
0.22	37	30	16	32.5	-	1.2	2200	484	7.5	7.5	23	HCSB/3D224*D230C000
0.22	37	30	16	32.5	5.1	1.0	2200	484	6.5	9	23	HCSB/3D224*D420C000
0.33	37	34	20	32.5	-	1.2	2200	726	7.5	10	23	HCSB/3D334*D230C000
0.33	37	34	20	32.5	10.2	1.0	2200	726	6.5	12	23	HCSB/3D334*D420C000
0.47	42	40	20	37.5	-	1.2	1300	611	6.0	13	29	HCSB/3D474*F230C000
0.47	42	40	20	37.5	10.2	1.2	1300	611	5.0	15	29	HCSB/3D474*F430C000

Note: (1) The above are normal types, for the special types, please contact with relative person;
 (2) "ESR", "Ls" are typical values.

Outline Dimensions

2000Vd.c.(700Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	I [∧] (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.56	42	44	24	37.5	-	1.2	1300	728	6.0	14	29	HCSB/3D564*F230C000
0.56	42	44	24	37.5	10.2	1.2	1300	728	5.0	16	29	HCSB/3D564*F430C000
0.68	42	44	24	37.5	-	1.2	1300	884	5.5	14	29	HCSB/3D684*F230C000
0.68	42	44	24	37.5	10.2	1.2	1300	884	4.5	16.5	29	HCSB/3D684*F430C000
0.82	42	45	30	37.5	20.3	1.2	1300	1066	4.5	17	29	HCSB/3D824*F430C000
1.0	42	50	35	37.5	20.3	1.2	1300	1300	4.5	19	29	HCSB/3D105*F430C000
1.0	57.5	45	30	52.5	20.3	1.2	850	850	4.5	20	33	HCSB/3D105*M430C000
1.2	57.5	45	30	52.5	20.3	1.2	850	1020	4.5	21	33	HCSB/3D125*M430C000
1.5	57.5	50	35	52.5	20.3	1.2	850	1275	4.5	22	33	HCSB/3D155*M430C000
2500Vd.c.(725Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	I [∧] (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.010	32	18	9	27.5	-	0.8	3500	35	60.0	1.5	19	HCSB/3E103*B210C000
0.015	32	18	9	27.5	-	0.8	3500	52.5	44.0	2	19	HCSB/3E153*B210C000
0.022	32	18	9	27.5	-	0.8	3500	77	34.0	3	19	HCSB/3E223*B210C000
0.033	32	20	11	27.5	-	0.8	3500	115.5	25.5	3.5	19	HCSB/3E333*B210C000
0.047	32	22	13	27.5	-	1.0	3500	164.5	18.5	4.5	19	HCSB/3E473*B220C000
0.068	37	25	15	32.5	-	1.2	3200	217.6	10.0	5	23	HCSB/3E683*D230C000
0.068	37	25	15	32.5	5.1	1.0	3200	217.6	9.0	6	23	HCSB/3E683*D420C000
0.10	37	30	16	32.5	-	1.2	3200	320	10.0	6	23	HCSB/3E104*D230C000
0.10	37	30	16	32.5	5.1	1.0	3200	320	9.0	7	23	HCSB/3E104*D420C000
0.15	37	34	20	32.5	-	1.2	3200	480	9.5	8	23	HCSB/3E154*D230C000
0.15	37	34	20	32.5	10.2	1.0	3200	480	8.5	10	23	HCSB/3E154*D420C000
0.18	37	34	20	32.5	-	1.2	3200	576	9.0	10.5	23	HCSB/3E184*D230C000
0.18	37	34	20	32.5	10.2	1.0	3200	576	8.0	12	23	HCSB/3E184*D420C000
0.22	42	40	20	37.5	-	1.2	2100	462	5.5	11	29	HCSB/3E224*F230C000
0.22	42	40	20	37.5	10.2	1.2	2100	462	4.5	13	29	HCSB/3E224*F430C000
0.33	42	44	24	37.5	-	1.2	2100	693	5.5	13	29	HCSB/3E334*F230C000
0.33	42	44	24	37.5	10.2	1.2	2100	693	4.5	15.2	29	HCSB/3E334*F430C000
0.47	42	45	30	37.5	20.3	1.2	2100	987	4.0	16	2	HCSB/3E474*F430C000

Note: (1) The above are normal types, for the special types, please contact with relative person;
 (2) "ESR", "Ls" are typical values.

Outline Dimensions

2500Vd.c.(725Va.c.)												
C _N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	b (mm)	d (mm)	dv/dt (V/μs)	Î (A)	ESR @100kHz	I _{max} (A)	L _s (nH)	Ordering Information
0.68	42	50	35	37.5	20.3	1.2	2100	1428	4.0	16.5	29	HCSB/3E684*F430C000
0.68	57.5	45	30	52.5	20.3	1.2	1200	816	4.0	17	33	HCSB/3E684*M430C000
1.0	57.5	50	35	52.5	20.3	1.2	1200	1200	4.0	17.5	33	HCSB/3E105*M430C000

Note: (1) The above are normal types, for the special types, please contact with relative person;
 (2) "ESR", "Ls" are typical values.