

▲FEATURES

Used in DC-LINK circuits
 Lower ESR,high ripple current handling capabilities
 Self-healing property, Filled with resin,dry type
 Non-inductive type, Plastic case,RoHS compliance

▲SPECIFICATIONS

Reference standards IEC 61071
 Operating temperature range:-40°C~+105°C
 Capacitance range:47to 500uf
 Capacitance tolerance:±5%,±10%
 Voltage range:400 to 3000Vdc



▲TEST DATA

Voltage between terminals:1.5Un 10s
 Voltage between terminals and case:(1.5Un+1000)Vac 10s 50Hz
 Dissipation factor: 1.0×10^{-3} 100Hz 25°C
 Life expectancy 100 000 hours
 Insulation resistance: $C \times R_i \geq 5000s$ 100Vdc 25°C
 Over voltage 1.1Un(30% of on-load-during)
 1.15Un(30min/day)
 1.2Un(35min/day)
 1.3Un(1min/day)
 1.5Un(50ms 1000times during the life of the capacitor)

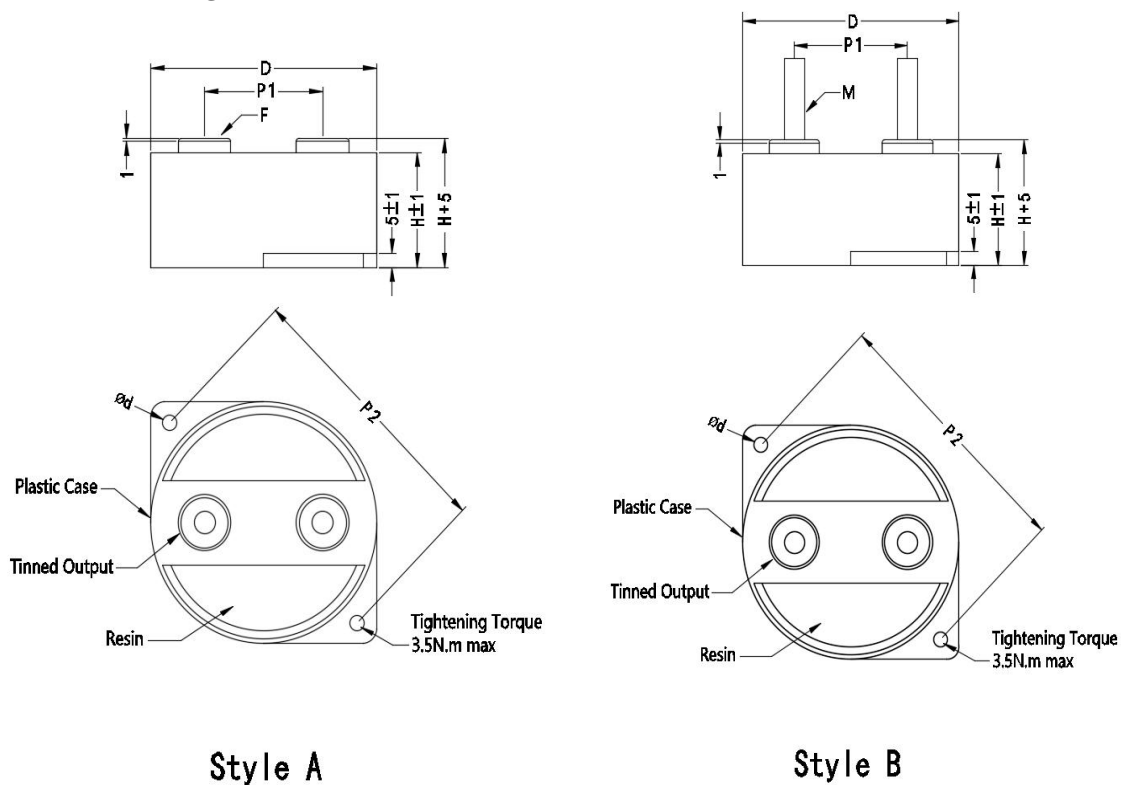
Voltage grade

Un @70°C	500V	600V	700V	800V	900V	1000V	1100V	1200V	1500V	1800V	2000V	2200V
Un @85°C	450V	500V	600V	700V	760V	850V	900V	1000V	1250V	1500V	1650V	1800V
Un@105°C	330V	365V	440V	500V	550V	620V	650V	730V	915V	1100V	1200V	1300V

▲Part Numbering System

160	CS*	107	K	8641
Voltage	Type	Capacitance	Tolerance	Size
160=600vdc	CSA	106=10uf	J= ±5%	D86*H41mm
190=900vdc	CSB	107=100uf	K= ±10%	
211=1100vdc				

▲OUTLINE DRAWING



D mm	Output				P1 (mm)	P2 (mm)	d (mm)
	F	Torque	M	Torque			
86	M6*8	4.5 N.M Max	M8*20	8.5 N.M Max	45±1	101	5.5
115	M8*8	6.0 N.M Max	M10*20	12 N.M Max	60±1	133	6.5

▲Technical Data

Cap uf	D mm	H mm	du/dt v/μs	I _{rms} @10Khz @45°C (A)	ESR@1.0Khz (mΩ)	Ls max. (nH)	R _{th} (k/w)	Part Number
Un @70°C 600VDC Us 900V , Ur 200V								
100	86	41	33	90	0.6	≤25	6.9	160CS*107K8641
130	86	41	36	92	0.7	≤25	6.8	160CS*137K8641
150	86	51	27	95	0.75	≤32	6.3	160CS*157K8651
200	86	51	24	100	0.8	≤32	5.9	160CS*207K8651
220	86	65	20	100	1.0	≤32	5.5	160CS*227K8665
280	86	65	15	100	0.9	≤40	5.0	160CS*287K8665
350	115	51	24	120	0.6	≤32	4.1	160CS*357K11551
500	115	65	25	125	0.7	≤40	3.5	160CS*507K11565

*Special design available to meet your requirements.

Cap uf	D mm	H mm	du/dt v/μs	I _{rms} @10Khz @45°C (A)	ESR@1.0Khz (mΩ)	Ls max. (nH)	R _{th} (k/w)	Part Number
Un @70°C 800VDC Us 1200V , Ur 280V								
100	86	51	47	92	0.6	≤25	6.8	180CS*107K8651
150	86	51	31	92	0.7	≤32	5.9	180CS*157K8651
220	86	65	20	90	0.9	≤40	5.0	180CS*227K8665
250	115	51	31	115	0.6	≤32	4.1	180CS*257K11551
350	115	65	20	125	0.7	≤40	3.5	180CS*357K11565
Un @70°C 900VDC , Us 1350V , Ur 250V								
68	86	41	55	85	0.8	≤25	6.8	190CS*686K8641
100	86	51	36	85	0.9	≤32	5.9	190CS*107K8651
140	86	65	24	75	1.2	≤40	5.0	190CS*147K8665
200	115	51	36	115	0.6	≤32	4.1	190CS*207K11551
300	115	65	24	120	0.7	≤40	3.5	190CS*307K11565
Un @70°C 1100VDC , Us 1650V , Ur 300V								
47	86	41	72	78	0.9	≤25	6.8	211CS*476K8641
68	86	51	48	78	1.1	≤32	5.9	211CS*686K8651
100	86	65	32	78	1.4	≤40	5.0	211CS*107K8665
130	115	51	48	110	0.7	≤32	4.1	211CS*137K11551
180	115	65	32	115	0.9	≤40	3.5	211CS*187K11565
Un @70°C 1200VDC , Us 1920V , Ur 300V								
25	86	41	90	60	1.3	≤25	6.8	212CS*256K8641
35	86	51	70	60	1.7	≤32	5.9	212CS*356K8651
50	86	65	50	55	1.9	≤40	5.0	212CS*506K8665
60	115	51	70	100	1.4	≤32	4.1	212CS*606K11551
80	115	65	50	110	1.6	≤40	3.5	212CS*806K11565
Un @70°C 1500VDC , Us 2400V , Ur 400V								
18	86	41	113	55	1.4	≤25	6.8	215CS*186K8641
25	86	51	85	55	1.8	≤32	5.9	215CS*256K8651
35	86	65	60	50	2.1	≤40	5.0	215CS*356K8665
47	115	51	85	100	1.5	≤32	4.1	215CS*476K11551
68	115	65	60	105	1.6	≤40	3.5	215CS*686K11565
Un @70°C 1800VDC , Us 2880V , Ur 450V								
10	86	41	175	50	1.5	≤25	6.8	218CS*106K8641
15	86	51	120	50	1.9	≤32	5.9	218CS*156K8651
25	115	51	120	90	1.6	≤32	4.1	218CS*256K11551
35	115	65	80	100	1.8	≤40	3.5	218CS*356K11565
Un @70°C 2200VDC , Us 3520V , Ur550V								
10	86	51	150	50	2.1	≤32	5.9	220CS*106K8651
15	86	65	100	45	2.5	≤40	5.0	220CS*156K8665
18	115	51	150	90	1.7	≤32	4.1	220CS*186K11551
25	115	65	100	100	2.0	≤40	3.5	220CS*256K11565

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