

APPLICATIONS

Designed for professional power electronics
 Switch mode power supplies, converters, filtering devices.

- Surge-proof capacitor in aluminium can with insulation sleeve
- Poles brought out to heavy duty screw terminals
- To be mounted with ring clips or with threaded stud
- Very high CV for unit volume with low ESR.
- High ripple current
- Excellent electrical data in small dimensions case size
- External materials approved UL94-V0

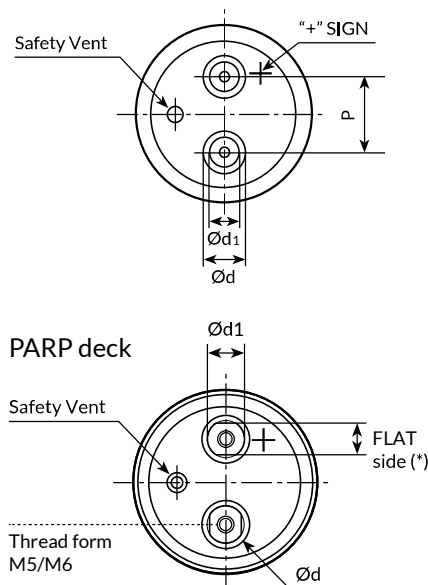
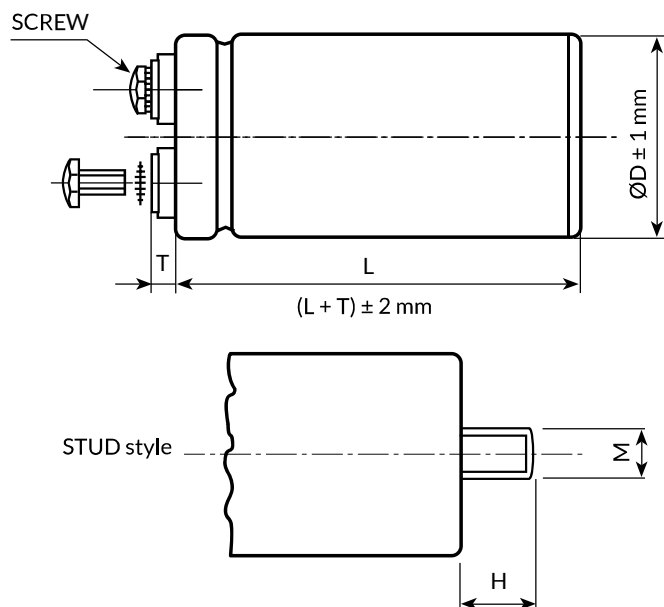


Diagram of dimensions (unit=mm) - Insert and screw threads: Metric (mm), UNF (inches)

ØD	d ±0.3	d1 ±0.3	P ±0.5	T ±0.5	STUD		INSERT	SCREW	CODE
					M	H			
35	11.6	7.9	12.7	6.5	M8	12	M5	5MA x 9.5	0
51	18.2	13	22.2	5	M12	16	M5	5MA x 9.5	H
63	18.2	13	28.5	5	M12	16	M5	5MA x 9.5	H
76	18.2	13	31.8	4.5	M12	16	M5	5MA x 9.5	H
76	18.2	13	31.8	6.5	M12	16	M5 long	5MA x 9.5	L
76	23.2	17.7	31.8	5	M12	16	M6	6MA x 10	6
76	17.2	17.2	31.4	6.4	M12	16	M6 NO COLLAR	6MA x 11	F
90	23.2	17.7	31.8	5	M12	16	M6	6MA x 10	H
100	23	17.3	41.5	11	M12	16	M8	8MA x 15.5	8
51	13	13(10)*	22.2	5	M12	16	PARP M5	5MA x 9.5	K
63	13	13(10)*	28.5	5	M12	16	PARP M5	5MA x 9.5	B
63	19	15(13)*	28.5	6	M12	16	PARP M5	5MA x 9.5	K
76	19	15(13)*	31.8	6	M12	16	PARP M5	5MA x 9.5	K
76	19	15(13)*	31.8	6	M12	16	PARP M6	6MA x 10	Q
90	19	15(13)*	31.8	6	M12	16	PARP M6	6MA x 10	Q
35	11.6	7.9	12.7	6.5	M12	16	UNF 10-32 high post	10-32 x 3/8"	U
63	17.3	17.3	28.5	2.5	M12	16	UNF 1/4-28 low post	1/4-28 x 3/8"	W
63	17.3	17.3	28.5	6	M12	16	UNF 1/4-28 high post	1/4-28 x 1/2"	R
63	7.9	7.9	28.5	2	M12	16	UNF 10-32 low post	10-32 x 1/4"	Z
63	12	7.9	28.5	6.5	M12	16	UNF 10-32 high post	10-32 x 3/8"	U
76	17.3	17.3	31.8	2.5	M12	16	UNF 1/4-28 low post	1/4-28 x 3/8"	W
76	17.3	17.3	31.8	6	M12	16	UNF 1/4-28 high post	1/4-28 x 1/2"	R
76	7.9	7.9	31.8	2	M12	16	UNF 10-32 low post	10-32 x 1/4"	Z
76	12	7.9	31.8	6.5	M12	16	UNF 10-32 high post	10-32 x 3/8"	U

Note (*) quote on the flat side of PARP deck (PARP = Protection Against Reverse Polarity)

K01 TYPE

-40°C +85°C 15000H



SPECIFICATIONS

Temperature Range	Operating	-40°C +85°C [Environmental classification 40/105/56 IEC-68]					
	Storage:	Preferably below +25°C, not exceeding +40°C					
Rated Voltage Range (V _r)	from 16V to 500V DC						
Surge Voltage (V _p)	V _p = 1.05 V _r (V _r > 450V DC)		V _p = 1.15 V _r (V _r ≤ 250V DC)		V _p = 1.10 V _r (V _r > 250V DC)		
Rated Capacitance Range	from 220 µF to 1.500.000 µF						
Capacitance Tolerance	±20% at 100 Hz, 20°C [M class IEC-62] on request: -10% +30% at 100 Hz, 20°C [Q class IEC-62]						
Leakage Current (I _L) (µA, 5 min, 20°C)	max I _L = 0.006 C _r V _r + 4 µA at 85°C max I _L = 0.04 C _r V _r µA		Kendeil product limit: I _L = 0.003 C _r V _r				
Ripple current (I _r)	Refer to table at 85°C and 100Hz. For different temperature and frequency multiplier must be used as follows:						
	FREQUENCY MULTIPLIER	50 Hz	100 Hz	500 Hz	1000 Hz	>10 KHz	
		0.8	1.0	1.2	1.3	1.5	
	AMBIENT TEMP MULTIPLIER	35°C	45°C	55°C	65°C	75°C	85°C 95°C
		2.2	2.1	1.8	1.6	1.4	1.0 0.5
	max internal temperature 108°C						
	Due to the current load capability of the contact elements, the following limits must not be exceeded:						
	CAPACITOR DIAMETER	35mm	51mm	63mm	76mm	90mm	
	Maximum current	20A	30A	40A	50A	70A	
Insulation Resistance	At 100V DC for 1 min is >100 MΩ across insulating sleeve and terminals.						
Vibration Resistance	Frequency range: 10 Hz to 55 Hz Capacitor length ≤ 143 : max acceleration 0.75mm or 10g for 3x2 h Capacitor length > 143 : max acceleration 0.35mm or 5g for 3x0.5 h						
Withstand voltage	2500 VAC for 1 min between terminals bundled and plate						
Life test	After 2,000 hours application of rated voltage at 85°C capacitors meet characteristics aside				Cap change	≤ 10%	
					tan (δ)	≤ 130%	
					Leakage current (I _L)	< initial limit	
					Impedance (Z)	≤ 130%	
Shelf life	After leaving capacitors under no load for 500 hours at 85°C, when restored at 20°C meet specifications aside				Cap change	≤ ±15%	
					tan (δ)	≤ 150%	
					Leakage current (I _L)	< initial limit	
Useful life (V _n , Temp rated I ripple applied)	> 200000 h at 40°C > 12000 h at 85°C for V _r ≤ 100V and for V _r ≥ 500V > 15000 h at 85°C for 100V < V _r < 500V						
Failure percentage	≤ 1% (during useful life)						
Failure rate	≤ 25 fit (25 10 ⁻⁹ /h) (V _r ≤ 160V DC) ≤ 33 fit (33 10 ⁻⁹ /h) (V _r > 160V DC)						
Self inductance	Approx. 20 nH						
Damp heat test	Stable electrical parameters in humidity ambient condition 85°C. V _n applied, 2000 hours. 85% RH						
Electrolyte	All the capacitors of this series have self-extinguishing eletrolyte in accordance with IEC EN 60695-11-10						
Reference standards	CECC 30.300 IEC 60384-4 LONG LIFE GRADE						

Rated
Voltage
VDC

16V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
33000	35x79	0,40	15	13	10,2	K01016333_M0E079
47000	35x79	0,55	13	12	10,8	K01016473_M0E079
47000	51x79	0,55	13	12	12,5	K01016473_M0G079
68000	51x79	0,60	12	11	15,7	K01016683_M0G079
100000	51x79	0,80	10	11	16,5	K01016104_M0G079
100000	51x105	0,80	10	10	18,7	K01016104_M0G105
150000	51x105	1,10	10	9	19,5	K01016154_M0G105
150000	63x105	1,10	10	9	21,5	K01016154_M0H105
220000	63x105	1,50	8	8	22,4	K01016224_M0H105
330000	63x105	1,90	8	8	23,3	K01016334_M0H105
330000	76x105	1,90	8	8	25,0	K01016334_M0J105
470000	76x105	1,90	5	5	28,5	K01016474_M0J105
470000	76x143	1,90	5	5	32,0	K01016474_M0J143
680000	76x143	2,50	4	4	32,5	K01016684_M0J143
1000000	76x143	2,50	3	3	34,5	K01016105_M0J143
1500000	90x220	3,00	3	3	48,7	K01016155_M0L220

Rated
Voltage
VDC

25V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
10000	35x60	0,25	27	21	5,9	K01025103_M0E060
15000	35x60	0,28	16	12	9,3	K01025153_M0E060
22000	35x60	0,30	17	15	10,2	K01025223_M0E060
22000	35x79	0,35	18	16	11,8	K01025223_M0E079
33000	35x60	0,38	16	15	12,5	K01025333_M0E060
33000	35x79	0,40	15	14	12,1	K01025333_M0E079
33000	51x79	0,40	15	14	13,3	K01025333_M0G079
47000	35x79	0,47	14	15	13,0	K01025473_M0E079
47000	51x79	0,50	12	10	15,7	K01025473_M0G079
56000	35x79	0,55	11	10	17,1	K01025563_M0E079
68000	51x79	0,60	10	9	16,4	K01025683_M0G079
68000	51x105	0,60	10	9	18,7	K01025683_M0G105
100000	51x79	0,70	10	9	18,5	K01025104_M0G079
100000	51x105	0,70	10	9	19,5	K01025104_M0G105
100000	63x105	0,70	10	9	21,5	K01025104_M0H105
120000	51x79	0,75	10	9	19,2	K01025124_M0G079
150000	51x105	0,80	10	9	20,9	K01025154_M0G105
150000	63x105	1,00	9	9	22,0	K01025154_M0H105
150000	76x105	1,00	9	9	23,5	K01025154_M0J105
220000	63x105	0,85	9	9	23,5	K01025224_M0H105
220000	76x105	1,50	9	9	24,2	K01025224_M0J105
220000	76x143	1,50	9	9	28,5	K01025224_M0J143
330000	76x105	1,50	9	9	27,8	K01025334_M0J105
330000	76x143	2,00	9	9	30,5	K01025334_M0J143
470000	76x143	2,00	9	9	33,4	K01025474_M0J143
470000	76x214	2,00	5	5	35,6	K01025474_M0J214
680000	76x214	2,20	5	5	35,8	K01025684_M0J214
1000000	90x220	2,50	5	4	38,3	K01025105_M0L220

K01 TYPE

-40°C +85°C 15000H



Rated
Voltage
VDC

40V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
10000	35x60	0,20	18	12	6,5	K01040103_M0E060
15000	35x60	0,25	13	10	7,4	K01040153_M0E060
15000	35x79	0,25	13	10	8,6	K01040153_M0E079
22000	35x79	0,30	16	14	8,9	K01040223_M0E079
22000	51x79	0,30	16	14	10,4	K01040223_M0G079
33000	35x79	0,30	15	14	10,6	K01040333_M0E079
33000	51x79	0,35	15	13	13,5	K01040333_M0G079
47000	51x79	0,40	10	9	14,2	K01040473_M0G079
47000	51x105	0,40	10	9	15,1	K01040473_M0G105
47000	63x105	0,40	10	9	17,6	K01040473_M0H105
68000	51x79	0,40	14	13	14,4	K01040683_M0G079
68000	51x105	0,50	10	8	18,2	K01040683_M0G105
68000	63x105	0,50	10	8	19,5	K01040683_M0H105
82000	51x105	0,55	9	8	18,4	K01040823_M0G105
100000	63x105	0,60	9	8	21,2	K01040104_M0H105
150000	63x105	0,80	9	8	19,1	K01040154_M0H105
150000	76x105	0,90	9	8	25,7	K01040154_M0J105
220000	76x105	1,00	8	7	26,8	K01040224_M0J105
220000	76x143	1,00	6	6	31,5	K01040224_M0J143
330000	76x143	1,10	5	5	35,5	K01040334_M0J143
330000	76x214	1,20	5	5	38,5	K01040334_M0J214
470000	76x214	1,30	3	3	42,0	K01040474_M0J214
680000	90x220	1,30	3	3	45,6	K01040684_M0L220

Rated
Voltage
VDC

50V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
4700	35x60	0,20	33	30	5,6	K01050472_M0E060
6800	35x60	0,20	25	24	7,0	K01050682_M0E060
10000	35x60	0,20	21	20	10,0	K01050103_M0E060
12000	35x60	0,25	15	15	10,6	K01050123_M0E060
15000	35x79	0,25	17	15	11,3	K01050153_M0E079
22000	35x79	0,30	16	15	11,5	K01050223_M0E079
22000	51x79	0,30	16	13	13,1	K01050223_M0G079
33000	51x79	0,35	14	14	14,2	K01050333_M0G079
33000	51x105	0,35	15	13	16,0	K01050333_M0G105
47000	51x79	0,40	14	14	14,2	K01050473_M0G079
47000	51x105	0,40	12	10	16,2	K01050473_M0G105
47000	63x105	0,40	12	10	18,3	K01050473_M0H105
68000	51x105	0,50	12	10	18,2	K01050683_M0G105
68000	63x105	0,60	12	9	18,0	K01050683_M0H105
68000	76x105	0,60	12	9	22,1	K01050683_M0J105
100000	63x105	0,60	12	10	19,1	K01050104_M0H105
100000	76x105	0,90	8	8	23,8	K01050104_M0J105
100000	76x143	0,90	8	8	25,8	K01050104_M0J143
150000	76x105	1,00	6	6	30,5	K01050154_M0J105
150000	76x143	1,00	6	6	31,5	K01050154_M0J143
220000	76x143	1,20	5	5	40,3	K01050224_M0J143
330000	76x214	1,30	3	3	50,8	K01050334_M0J214
470000	90x220	1,30	2	3	70,8	K01050474_M0L220

Rated
Voltage
VDC

63V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
4700	35x60	0,15	29	25	6,2	K01063472_M0E060
6800	35x60	0,18	21	20	7,0	K01063682_M0E060
10000	35x60	0,20	19	18	8,5	K01063103_M0E060
10000	35x79	0,20	21	20	8,7	K01063103_M0E079
10000	51x79	0,20	18	16	10,1	K01063103_M0G079
15000	35x79	0,25	18	16	10,0	K01063153_M0E079
15000	51x79	0,25	15	13	11,1	K01063153_M0G079
22000	51x79	0,30	13	11	12,4	K01063223_M0G079
22000	51x105	0,30	13	11	14,6	K01063223_M0G105
33000	51x105	0,35	11	10	15,6	K01063333_M0G105
33000	51x79	0,35	14	14	14,2	K01063333_M0G079
33000	63x105	0,35	11	10	17,9	K01063333_M0H105
47000	51x105	0,45	10	9	15,8	K01063473_M0G105
47000	63x105	0,45	11	10	18,8	K01063473_M0H105
68000	76x105	0,50	11	10	25,7	K01063683_M0J105
100000	76x105	0,55	8	8	31,5	K01063104_M0J105
100000	76x143	0,55	8	8	34,5	K01063104_M0J143
150000	76x143	0,60	6	6	36,1	K01063154_M0J143
220000	76x214	0,70	5	5	38,2	K01063224_M0J214
330000	90x220	0,90	2	3	56,3	K01063334_M0L220

Rated
Voltage
VDC

75V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
4700	35x60	0,15	29	25	5,4	K01075472_M0E060
6800	35x60	0,20	22	21	6,7	K01075682_M0E060
6800	35x79	0,20	20	20	8,5	K01075682_M0E079
10000	35x79	0,25	19	18	9,2	K01075103_M0E079
10000	51x79	0,25	18	16	11,0	K01075103_M0G079
12000	35x79	0,25	19	18	9,7	K01075123_M0E079
15000	51x105	0,25	15	13	12,7	K01075153_M0G105
15000	51x79	0,25	12	11	15,0	K01075153_M0G079
22000	51x79	0,30	12	11	13,9	K01075223_M0G079
22000	51x105	0,30	12	11	15,2	K01075223_M0G105
22000	63x105	0,30	12	11	16,2	K01075223_M0H105
33000	63x105	0,35	11	10	16,8	K01075333_M0H105
33000	51x105	0,35	11	10	18,0	K01075333_M0G105
33000	76x105	0,35	11	10	18,5	K01075333_M0J105
47000	63x105	0,40	10	10	20,0	K01075473_M0H105
47000	76x105	0,45	10	10	20,1	K01075473_M0J105
47000	76x143	0,45	10	10	22,1	K01075473_M0J143
68000	63x105	0,60	10	10	18,7	K01075683_M0H105
68000	76x143	0,60	10	10	26,0	K01075683_M0J143
100000	76x105	0,60	8	8	24,8	K01075104_M0J105
100000	76x143	0,60	8	8	34,9	K01075104_M0J143
150000	76x214	0,70	5	5	38,8	K01075154_M0J214
220000	90x220	0,75	3	2	40,1	K01075224_M0L220
270000	90x240	0,76	3	3	48,6	K01075274_M0L240

K01 TYPE

-40°C +85°C 15000H



Rated
Voltage
VDC

100V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
1500	35x60	0,15	84	65	4,0	K01100152_M0E060
2200	35x60	0,15	57	47	5,0	K01100222_M0E060
3300	35x60	0,15	48	39	5,3	K01100332_M0E060
3300	35x79	0,15	48	39	6,8	K01100332_M0E079
4700	35x79	0,15	30	26	7,5	K01100472_M0E079
4700	51x79	0,15	30	26	10,0	K01100472_M0G079
4700	35x60	0,15	30	26	6,6	K01100472_M0E060
6800	35x79	0,18	24	21	9,3	K01100682_M0E079
6800	51x79	0,20	23	20	11,1	K01100682_M0G079
10000	51x79	0,20	16	14	11,9	K01100103_M0G079
10000	51x105	0,20	16	14	13,9	K01100103_M0G105
10000	63x105	0,20	16	14	14,5	K01100103_M0H105
15000	51x79	0,25	15	14	13,5	K01100153_M0G079
15000	51x105	0,25	13	12	14,8	K01100153_M0G105
15000	63x105	0,25	13	12	17,5	K01100153_M0H105
22000	51x105	0,30	13	12	17,2	K01100223_M0G105
22000	63x105	0,30	12	12	18,2	K01100223_M0H105
33000	63x105	0,30	13	13	18,6	K01100333_M0H105
33000	76x105	0,25	10	10	23,1	K01100333_M0J105
47000	76x105	0,40	9	9	29,8	K01100473_M0J105
47000	76x143	0,30	10	9	30,2	K01100473_M0J143
68000	76x143	0,30	8	8	36,5	K01100683_M0J143
68000	76x214	0,40	6	5	39,5	K01100683_M0J214
100000	76x214	0,40	5	5	46,4	K01100104_M0J214
150000	90x220	0,45	3	3	62,4	K01100154_M0L220

Rated
Voltage
VDC

160V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
680	35x60	0,10	128	102	3,2	K01160681_M0E060
820	35x60	0,12	113	88	3,5	K01160821_M0E060
1000	35x60	0,12	94	76	3,9	K01160102_M0E060
1000	35x79	0,12	98	90	4,0	K01160102_M0E079
1500	35x60	0,12	107	86	3,9	K01160152_M0E060
1500	35x79	0,12	72	70	5,3	K01160152_M0E079
1500	51x79	0,12	62	71	5,3	K01160152_M0G079
2200	35x79	0,12	70	66	5,1	K01160222_M0E079
2200	51x79	0,12	50	43	7,0	K01160222_M0G079
3300	51x79	0,14	41	36	6,6	K01160332_M0G079
3300	51x105	0,14	35	30	8,6	K01160332_M0G105
4700	51x79	0,14	40	35	8,3	K01160472_M0G079
4700	51x105	0,14	25	25	10,9	K01160472_M0G105
4700	63x105	0,14	25	25	11,9	K01160472_M0H105
6800	51x105	0,14	21	22	11,4	K01160682_M0G105
6800	63x105	0,14	20	22	13,0	K01160682_M0H105
10000	63x105	0,14	27	25	12,9	K01160103_M0H105
10000	76x105	0,15	13	12	17,4	K01160103_M0J105
10000	76x143	0,15	13	12	19,4	K01160103_M0J143
15000	76x105	0,15	16	14	16,9	K01160153_M0J105
15000	76x143	0,15	11	10	20,9	K01160153_M0J143
22000	76x143	0,20	10	10	26,4	K01160223_M0J143
33000	76x214	0,20	8	8	34,1	K01160333_M0J214
47000	90x220	0,30	5	5	30,0	K01160473_M0L220

Rated
Voltage
VDC

200V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
680	35X60	0,10	124	119	3,4	K01200681_M0E060
820	35x60	0,10	113	77	3,4	K01200821_M0E060
1000	35x79	0,11	86	88	3,5	K01200102_M0E079
1000	35x60	0,12	65	66	3,9	K01200102_M0E060
1500	35x60	0,12	106	85	3,7	K01200152_M0E060
1500	35x79	0,12	62	44	5,4	K01200152_M0E079
1500	51x79	0,12	60	63	5,8	K01200152_M0G079
2200	35x79	0,12	69	55	5,1	K01200222_M0E079
2200	51x105	0,12	40	37	7,2	K01200222_M0G105
2200	51x79	0,12	46	33	7,8	K01200222_M0G079
3300	51x105	0,12	32	30	9,0	K01200332_M0G105
3300	63x105	0,12	31	29	10,2	K01200332_M0H105
4700	51x79	0,12	41	35	8,3	K01200472_M0G079
4700	51x105	0,12	28	26	10,4	K01200472_M0G105
4700	63x105	0,12	27	25	11,1	K01200472_M0H105
5600	63x105	0,12	21	18	12,1	K01200562_M0H105
6800	63x105	0,12	20	16	13,9	K01200682_M0H105
6800	76x105	0,12	19	15	14,3	K01200682_M0J105
8200	76x105	0,12	16	14	14,8	K01200822_M0J105
10000	63x105	0,15	23	20	14,4	K01200103_M0H105
10000	76x105	0,15	13	12	15,8	K01200103_M0J105
10000	76x143	0,15	13	12	18,6	K01200103_M0J143
15000	76x105	0,18	16	14	19,0	K01200153_M0J105
15000	76x143	0,18	12	12	21,4	K01200153_M0J143
22000	76x143	0,18	9	9	28,9	K01200223_M0J143
33000	76x214	0,22	8	8	36,1	K01200333_M0J214
47000	90x220	0,29	5	5	35,4	K01200473_M0L220

Rated
Voltage
VDC

250V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
470	35x60	0,10	211	200	2,8	K01250471_M0E060
680	35x60	0,10	125	94	3,4	K01250681_M0E060
680	35x79	0,10	127	121	3,5	K01250681_M0E079
1000	35x60	0,11	120	91	3,5	K01250102_M0E060
1000	35x79	0,11	86	88	4,1	K01250102_M0E079
1500	35x79	0,11	79	70	4,0	K01250152_M0E079
1500	51x79	0,11	64	56	5,0	K01250152_M0G079
2200	51x105	0,11	40	36	7,5	K01250222_M0G105
3300	51x105	0,12	31	26	9,8	K01250332_M0G105
3300	63x105	0,12	30	25	11,0	K01250332_M0H105
4700	51x105	0,12	30	26	10,5	K01250472_M0G105
4700	63x105	0,12	24	21	11,8	K01250472_M0H105
4700	76x105	0,12	20	18	13,2	K01250472_M0J105
5600	76x105	0,12	17	16	13,8	K01250562_M0J105
6800	63x105	0,15	20	19	14,1	K01250682_M0H105
6800	76x105	0,15	15	13	14,7	K01250682_M0J105
8200	76x105	0,15	14	13	16,0	K01250822_M0J105
10000	76x105	0,17	14	10	15,8	K01250103_M0J105
10000	76x143	0,17	13	12	19,7	K01250103_M0J143
15000	76x143	0,17	11	11	21,9	K01250153_M0J143
22000	76x214	0,17	10	9	34,2	K01250223_M0J214
27000	90x220	0,22	6	6	38,9	K01250273_M0L220

K01 TYPE

-40°C +85°C 15000H



Rated
Voltage
VDC

350V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
470	35X60	0,10	170	136	3,3	K01350471_M0E060
680	35X79	0,10	108	95	4,0	K01350681_M0E079
1000	35x79	0,11	85	68	4,8	K01350102_M0E079
1000	51x79	0,11	79	62	5,0	K01350102_M0G079
1000	51x105	0,11	79	62	5,5	K01350102_M0G105
1500	51x79	0,11	60	53	6,3	K01350152_M0G079
1500	51x105	0,11	60	52	7,4	K01350152_M0G105
2200	51x79	0,11	46	42	8,0	K01350222_M0G079
2200	51x105	0,11	44	40	9,0	K01350222_M0G105
2200	63x105	0,11	37	34	9,5	K01350222_M0H105
3300	63x105	0,12	26	22	10,1	K01350332_M0H105
3300	76x105	0,12	26	22	12,8	K01350332_M0J105
4700	63x105	0,12	27	21	13,1	K01350472_M0H105
4700	76x105	0,12	17	16	14,5	K01350472_M0J105
4700	76x143	0,12	17	16	17,5	K01350472_M0J143
5600	76x105	0,12	18	18	13,3	K01350562_M0J105
5600	76x143	0,12	17	16	18,5	K01350562_M0J143
6800	76x105	0,12	16	11	14,0	K01350682_M0J105
6800	76x143	0,12	16	15	19,2	K01350682_M0J143
8200	76x143	0,12	16	15	20,7	K01350822_M0J143
10000	76x143	0,12	15	15	23,0	K01350103_M0J143
10000	76x214	0,14	15	14	26,6	K01350103_M0J214
15000	76x214	0,15	14	14	31,7	K01350153_M0J214
22000	90x220	0,20	13	13	35,4	K01350223_M0L220

Rated
Voltage
VDC

400V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
220	35x60	0,10	350	288	2,1	K01400221_M0E060
330	35x60	0,10	290	273	2,8	K01400331_M0E060
470	35x60	0,10	160	149	3,0	K01400471_M0E060
470	35x79	0,10	165	155	3,5	K01400471_M0E079
680	35x79	0,10	142	104	3,0	K01400681_M0E079
680	51x79	0,10	120	115	4,7	K01400681_M0G079
680	51x105	0,10	124	120	5,1	K01400681_M0G105
1000	51x79	0,10	105	95	5,8	K01400102_M0G079
1000	51x105	0,10	110	85	6,3	K01400102_M0G105
1500	51x79	0,10	72	53	6,2	K01400152_M0G079
1500	51x105	0,10	65	55	7,0	K01400152_M0G105
1500	63x105	0,10	65	55	7,9	K01400152_M0H105
2200	51x105	0,10	50	47	8,3	K01400222_M0G105
2200	63x105	0,10	50	47	9,0	K01400222_M0H105
2200	76x105	0,10	50	47	10,7	K01400222_M0J105
3300	63x105	0,12	35	30	11,0	K01400332_M0H105
3300	76x105	0,12	35	30	13,1	K01400332_M0J105
3300	76x143	0,12	35	30	14,2	K01400332_M0J143
4700	76x105	0,15	30	29	14,9	K01400472_M0J105
4700	76x143	0,15	30	29	16,8	K01400472_M0J143
5600	76x143	0,15	26	25	19,0	K01400562_M0J143
6800	76x143	0,15	20	18	19,5	K01400682_M0J143
8200	76x143	0,15	22	20	19,0	K01400822_M0J143
10000	76x143	0,15	22	20	19,0	K01400103_M0J143
10000	76x214	0,15	20	19	26,0	K01400103_M0J214
15000	90x220	0,20	15	12	33,5	K01400153_M0L220

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
220	35X60	0,10	360	300	2,0	K01450221_M0E060
330	35X60	0,10	240	210	2,8	K01450331_M0E060
470	51x79	0,10	200	179	4,0	K01450471_M0G079
680	51X79	0,10	140	128	4,4	K01450681_M0G079
680	51x105	0,10	140	128	5,0	K01450681_M0G105
1000	51x79	0,10	100	88	4,8	K01450102_M0G079
1000	51x105	0,10	100	88	6,4	K01450102_M0G105
1500	51x79	0,10	70	57	5,5	K01450152_M0G079
1500	51X105	0,10	67	55	7,1	K01450152_M0G105
1500	63x105	0,10	67	55	8,0	K01450152_M0H105
2200	63x105	0,10	60	55	9,0	K01450222_M0H105
2200	76x105	0,10	60	47	11,2	K01450222_M0J105
2200	76x143	0,10	60	47	12,5	K01450222_M0J143
3300	76x105	0,12	35	30	11,2	K01450332_M0J105
3300	76x143	0,12	35	30	12,9	K01450332_M0J143
4700	76x105	0,15	28	25	10,1	K01450472_M0J105
4700	76x143	0,15	32	30	15,0	K01450472_M0J143
5600	76x143	0,15	26	25	19,0	K01450562_M0J143
6800	76x143	0,15	23	22	19,0	K01450682_M0J143
8200	76x143	0,15	22	20	19,0	K01450822_M0J143
10000	76x143	0,20	22	20	19,0	K01450103_M0J143
10000	76x214	0,20	20	19	23,1	K01450103_M0J214
12000	76x214	0,20	15	12	23,8	K01450123_M0J214
15000	90x220	0,20	14	12	32,6	K01450153_M0L220

Rated
Voltage
VDC
450V

Cap μF	Ø x L mm	Tan δ max 100 Hz 20°C	ESR TYP mΩ 100 Hz 20°	Z TYP mΩ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
1000	51x105	0,15	125	114	4,0	K01500102_M0G105
1500	51x105	0,15	64	58	5,2	K01500152_M0G105
1500	63x105	0,15	81	67	5,2	K01500152_M0H105
2200	76x105	0,15	62	61	7,4	K01500222_M0J105
2200	76x143	0,15	55	54	8,2	K01500222_M0J143
3300	76x105	0,15	31	28	9,1	K01500332_M0J105
3300	76x143	0,15	39	37	10,3	K01500332_M0J143
4700	76x143	0,15	30	29	11,6	K01500472_M0J143
5600	76x214	0,15	26	22	19,8	K01500562_M0J214
6800	76x214	0,15	24	22	20,2	K01500682_M0J214

Rated
Voltage
VDC
500V

Please, contact our technical service for more information or spec-in analysis.

PART NUMBER SYSTEM

FOR SCREW TYPE CAPACITORS



New PART-NUMBER CODE in use since Sep 2010. Total length is 17 digits.

Please see examples below and have a reference code from the standard ratings capacitors pages.

EXAMPLE

	TYPE	VOLTAGE	CAPACITANCE CODE	TERM	INSERT	TOL	RES	CASE SIZE
EXAMPLE	K01	100	223	0	H	M	0	H105
DIGIT	1-2-3	4-5-6	7-8-9	10	11	12	13	14-15-16-17

		DIGIT NUMBER
TYPE	Screw Aluminium Electrolytic Capacitor Type	1-2-3
VOLTAGE	Rated Voltage [VDC]	4-5-6
CAPACITANCE CODE [μF]	2 Significant Digits Plus Third Digit Specifies Number Of Zeros	7-8-9
TERM	Terminal As Follow: 0= No Stud M= M8x12 Stud Only Ø 35 Mm S= M12x16 Stud For Ø 51-63-72-76-90-100 mm	10
INSERT	Decks Insert Type 0 = diam 35 small diameter M5 H = STD High Ripple: diam 51-63-76 (M5), diam.90 (M6) I = small diameter M5 L = M5 long insert style (*) 6 = M6 diam 76 ONLY K = M5 PARP (Protection Against Reversal Polarity) B = M5 PARP 76 ONLY Q = M6 PARP (Protection Against Reversal Polarity) U = thread size 10-32 UNF High Post R = 1/4 28 UNF High Post Z = thread size 10-32 UNF Low Post W = 1/4 28 UNF Low Post	11
TOL	Tolerance Range M= ±20% Q= -10% +30% X= Custom T= -10% +50% U= -10% +75%	12
RES	0= Standard Ratings	13
CASE SIZE	Digit 14 = Diameter Code: Ev= 35 mm G = 51 mm H = 63 mm M = 72 mm J = 76 mm L = 90 mm P = 100mm Digits 15, 16 and 17 = Length (In mm)	14-15-16-17

Specifications subject to change without notice