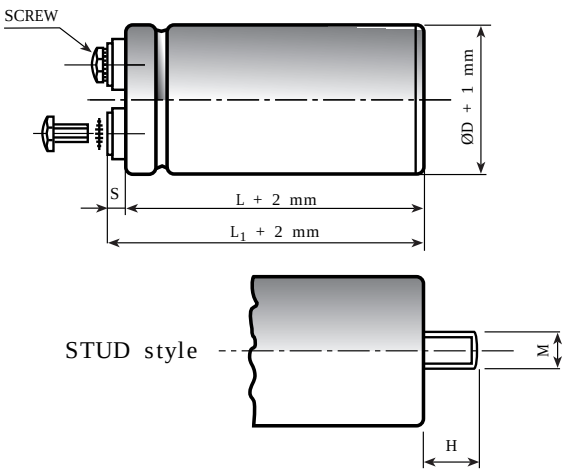
K01 TYPE -40°C +85°C 15000H

RoHS Compliant

- 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 electricals data in small dimensions case size.

APPLICATIONS

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



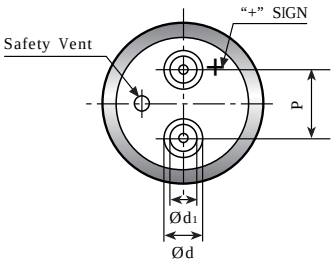


Diagram of dimensions (unit=mm)
Insert and screw threads: Metric (mm), UNF (inches)

ØD	d	d1	P	STUD M	STUD H	INSERT	SCREW	L_1 -L[-1+3]	S[-1+1]	INSERT STYLE CODE
35	11	7.9	12.7	M8	12	M5	5MA x 9.5	2.5	5	O
51	18.5	13	22.7	M12	16	M5	5MA x 9.5	2.5	5	H
63	18.5	13	28.6	M12	16	M5	5MA x 9.5	2.5	5	H
63	17.3	17.3	28.6	M12	16	UNF 1/4-28 Low Post	1/4-28 x 3/8"	3	4	W
63	17.3	17.3	28.6	M12	16	UNF 1/4-28 High Post	1/4-28 x 1/2"	6	7	R
63	7.9	7.9	28.6	M12	16	UNF 10-32 Low Post	10-32 x 1/4"	2	2.5	Z
63	12	7.9	28.6	M12	16	UNF 10-32 High Post	10-32 x 3/8"	6	7	U
76	18.5	13	31.8	M12	16	M5	5MA x 9.5	2.5	5	H
76	18.5	13	31.8	M12	16	M5	5MA x 9.5	2.5	7	L
76	23.2	17.7	31.8	M12	16	M6	6MA x 10	4.5	7	6
76	17.3	17.3	31.8	M12	16	UNF 1/4-28 Low Post	1/4-28 x 3/8"	3	4	W
76	17.3	17.3	31.8	M12	16	UNF 1/4-28 High Post	1/4-28 x 1/2"	6	7	R
76	7.9	7.9	31.8	M12	16	UNF 10-32 Low Post	10-32 x 1/4"	2	2.5	Z
76	12	7.9	31.8	M12	16	UNF 10-32 High Post	10-32 x 3/8"	6	7	U
90	23.2	17.7	31.8	M12	16	M6	6MA x 10	4.5	7	H

Temperature Range	Operating: -40°C +85°C [Environmental classification 40/85/56 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) $V_p = 1.15\ V_r$ ($V_r \leq$ 250V DC) $V_p = 1.10\ V_r$ (V_r > 250V DC)
Rated Capacitance Range	from 220 µF to 1500000 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) (mA, 5 min, 20°C)	max $I_L = 0.006\ C_r\ V_r + 4$ µA Kendeil product limit: $I_L = 0.003\ C_r\ V_r$ At 85°C max $I_L = 0.04\ C_r\ V_r$ µA
Ripple current (I_r)	Refer to table at 85°C and 100Hz. For different temperature and frequency multiplier must be used as follows: FREQUENCY 50Hz 100Hz 500 Hz 1000Hz >10kHz MULTIPLIER 0.8 1.0 1.2 1.3 1.5 AMBIENT TEMP 35°C 45°C 55°C 65°C 75°C 85°C 95°C MULTIPLIER 2.2 2.1 1.8 1.6 1.4 1.0 0.5 Maximum internal temperature 98°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, amplitude 0.75 mm Capacitor length ≤ 143 : max acceleration 10g for 3x2 h Capacitor length > 143 : max acceleration 5g for 3x0.5 h
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 (Vn, Temp rated I ripple applied)	> 200000 h at 40°C > 12000 h at 85°C for $V_r \leq$ 100V and for $V_r \geq$ 500V > 15000 h at 85°C for 100V < V_r < 500V
Failure percentage Failure rate	≤ 1% (during useful life) ≤ 25 fit ($25\ 10^{-9}/h$) ($V_r \leq$ 160V DC) ≤ 33 fit ($33\ 10^{-9}/h$) (V_r > 160V DC)
Self inductance	Approx. 20 nH
Reference standards	CECC 30.300 IEC 60384-4 LONG LIFE GRADE

K01 TYPE STANDARD RATINGS

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
22000	35x60	0.35	18	16	6.6	K01016223__M0E060	16V
33000	35x60	0.40	15	13	9.2	K01016333__M0E060	
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	

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
10000	35x60	0.25	27	21	5.9	K01025103__M0E060	25V
15000	35x60	0.28	16	12	9.3	K01025153__M0E060	
22000	35x79	0.35	18	16	11.8	K01025223__M0E079	
33000	35x79	0.40	15	14	12.1	K01025333__M0E079	
33000	51x79	0.40	15	14	13.3	K01025333__M0G079	
47000	51x79	0.50	12	10	15.7	K01025473__M0G079	
68000	51x79	0.60	10	9	16.4	K01025683__M0G079	
68000	51x105	0.60	10	9	18.7	K01025683__M0G105	
100000	51x105	0.70	10	9	19.5	K01025104__M0G105	
100000	63x105	0.70	10	9	21.5	K01025104__M0H105	
150000	63x105	1.00	9	9	22.0	K01025154__M0H105	
150000	76x105	1.00	9	9	23.5	K01025154__M0J105	
220000	76x105	1.50	9	9	24.2	K01025224__M0J105	
220000	76x143	1.50	9	9	28.5	K01025224__M0J143	
330000	76x143	2.00	9	9	30.5	K01025334__M0J143	
470000	76x214	2.00	5	5	35.6	K01025474__M0J214	

K01 TYPE STANDARD RATINGS

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
10000	35x60	0.20	18	12	6.5	K01040103__M0E060	40V
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	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	51x105	0.50	10	8	18.2	K01040683__M0G105	
68000	63x105	0.50	10	8	19.5	K01040683__M0H105	
100000	63x105	0.60	9	8	21.2	K01040104__M0H105	
150000	76x105	0.90	9	8	25.7	K01040154__M0J105	
220000	76x143	1.00	6	6	31.5	K01040224__M0J143	
330000	76x214	1.20	5	5	38.5	K01040334__M0J214	

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
4700	35x60	0.20	33	30	5.6	K01050472__M0E060	50V
6800	35x60	0.20	25	24	7.0	K01050682__M0E060	
10000	35x60	0.20	21	20	10.0	K01050103__M0E060	
15000	35x79	0.25	17	15	11.3	K01050153__M0E079	
22000	51x79	0.30	16	13	13.1	K01050223__M0G079	
33000	51x105	0.35	15	13	16.0	K01050333__M0G105	
47000	51x105	0.40	12	10	16.2	K01050473__M0G105	
47000	63x105	0.40	12	10	18.3	K01050473__M0H105	
68000	63x105	0.60	12	9	18.0	K01050683__M0H105	
68000	76x105	0.60	12	9	22.1	K01050683__M0J105	
100000	76x105	0.90	8	8	23.8	K01050104__M0J105	
100000	76x143	0.90	8	8	25.8	K01050104__M0J143	
150000	76x143	1.00	6	6	31.5	K01050154__M0J143	

K01 TYPE STANDARD RATINGS

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
4700	35x60	0.15	29	25	6.2	K01063472__M0E060	63V
6800	35x60	0.18	21	20	7.0	K01063682__M0E060	
10000	35x79	0.20	21	20	8.7	K01063103__M0E079	
10000	51x79	0.20	18	16	10.1	K01063103__M0G079	
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	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	

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
4700	35x60	0.15	29	25	5.4	K01075472__M0E060	75V
6800	35x79	0.18	20	20	8.5	K01075682__M0E079	
10000	51x79	0.20	18	16	11.0	K01075103__M0G079	
15000	51x105	0.25	15	13	12.7	K01075153__M0G105	
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	76x105	0.35	11	10	18.5	K01075333__M0J105	
47000	76x105	0.45	10	10	20.1	K01075473__M0J105	
47000	76x143	0.45	10	10	22.1	K01075473__M0J143	
68000	76x143	0.60	10	10	26.0	K01075683__M0J143	
100000	76x143	0.60	8	8	34.9	K01075104__M0J143	

K01 TYPE STANDARD RATINGS

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
1500	35x60	0.15	84	65	4.0	K01100152__M0E060	100V
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	
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	51x105	0.25	13	12	14.8	K01100153__M0G105	
15000	63x105	0.25	13	12	17.5	K01100153__M0H105	
22000	63x105	0.25	12	12	18.2	K01100223__M0H105	
33000	76x105	0.25	10	10	23.1	K01100333__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	

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
1000	35x79	0.10	98	90	4.0	K01160102__M0E079	160V
1500	51x79	0.10	62	71	5.3	K01160152__M0G079	
2200	51x79	0.10	50	43	7.0	K01160222__M0G079	
3300	51x105	0.12	35	30	8.6	K01160332__M0G105	
4700	51x105	0.12	25	25	10.9	K01160472__M0G105	
4700	63x105	0.12	25	25	11.9	K01160472__M0H105	
6800	51x105	0.12	21	22	11.4	K01160682__M0G105	
6800	63x105	0.12	20	22	13.0	K01160682__M0H105	
10000	76x105	0.15	13	12	17.4	K01160103__M0J105	
10000	76x143	0.15	13	12	19.4	K01160103__M0J143	
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	

K01 TYPE STANDARD RATINGS

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
680	35X60	0.10	124	119	3.4	K01200681__M0E060	200V
1000	35x79	0.10	86	88	3.5	K01200102__M0E079	
1500	51x79	0.10	60	63	5.8	K01200152__M0G079	
2200	51x105	0.10	40	37	7.2	K01200222__M0G105	
3300	51x105	0.12	32	30	9.0	K01200332__M0G105	
3300	63x105	0.12	31	29	10.2	K01200332__M0H105	
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	76x105	0.15	13	12	15.8	K01200103__M0J105	
10000	76x143	0.15	13	12	18.6	K01200103__M0J143	
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	

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
470	35x60	0.10	211	200	2.8	K01250471__M0E060	250V
680	35x79	0.10	127	121	3.5	K01250681__M0E079	
1000	35x79	0.10	86	88	4.1	K01250102__M0E079	
1500	51x79	0.10	64	56	5.0	K01250152__M0G079	
2200	51x105	0.10	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	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	76x105	0.12	15	13	14.1	K01250682__M0J105	
8200	76x143	0.12	14	13	16.0	K01250822__M0J105	
10000	76x143	0.13	13	12	19.7	K01250103__M0J143	
15000	76x143	0.13	11	11	21.9	K01250153__M0J143	
22000	76x214	0.14	10	9	34.2	K01250223__M0J214	

K01 TYPE STANDARD RATINGS

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
470	35X60	0.10	170	136	3.3	K01350471__M0E060	350V
680	35X79	0.10	108	95	4.0	K01350681__M0E079	
1000	51x79	0.10	79	62	5.0	K01350102__M0G079	
1000	51x105	0.10	79	62	5.5	K01350102__M0G105	
1500	51x105	0.10	60	52	7.4	K01350152__M0G105	
2200	51x105	0.10	44	40	9.0	K01350222__M0G105	
2200	63x105	0.10	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	76x105	0.12	17	16	14.5	K01350472__M0J105	
4700	76x143	0.12	17	16	17.5	K01350472__M0J143	
5600	76x143	0.12	17	16	18.5	K01350562__M0J143	
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	

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
220	35x60	0.10	350	288	2.1	K01400221__M0E060	400V
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	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	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	

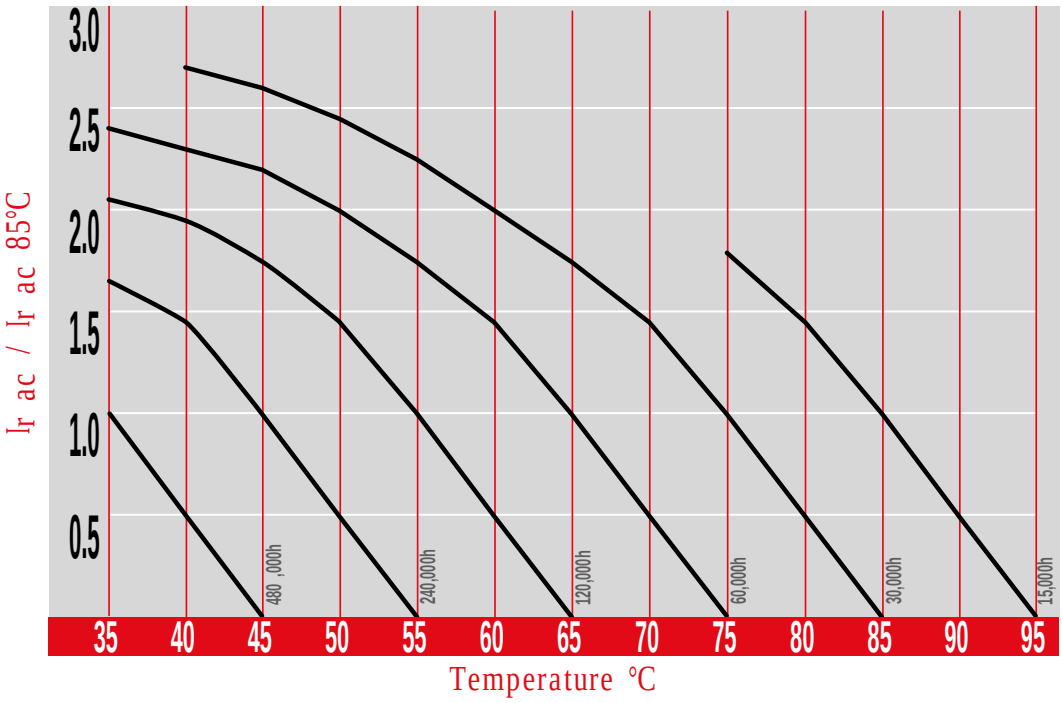
K01 TYPE STANDARD RATINGS

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
220	35X60	0.10	360	300	2.0	K01450221__M0E060	450V
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	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	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	29.8	K01450123__M0J214	
15000	90x220	0.20	14	12	32.6	K01450153__M0L220	

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
1000	51x105	0.15	125	114	4.0	K01500102__M0G105	500V
1500	63x105	0.15	100	91	5.2	K01500152__M0H105	
2200	76x105	0.15	70	66	7.4	K01500222__M0J105	
2200	76x143	0.15	70	66	8.2	K01500222__M0J143	
3300	76x143	0.15	55	53	10.3	K01500332__M0J143	
4700	76x143	0.15	35	32	11.6	K01500472__M0J143	
5600	76x214	0.15	26	22	19.8	K01500562__M0J214	
6800	76x214	0.15	24	22	20.2	K01500682__M0J214	

PLEASE TO CONTACT OUR TECHNICAL SERVICE FOR MORE INFORMATION OR SPEC-IN ANALYSIS.

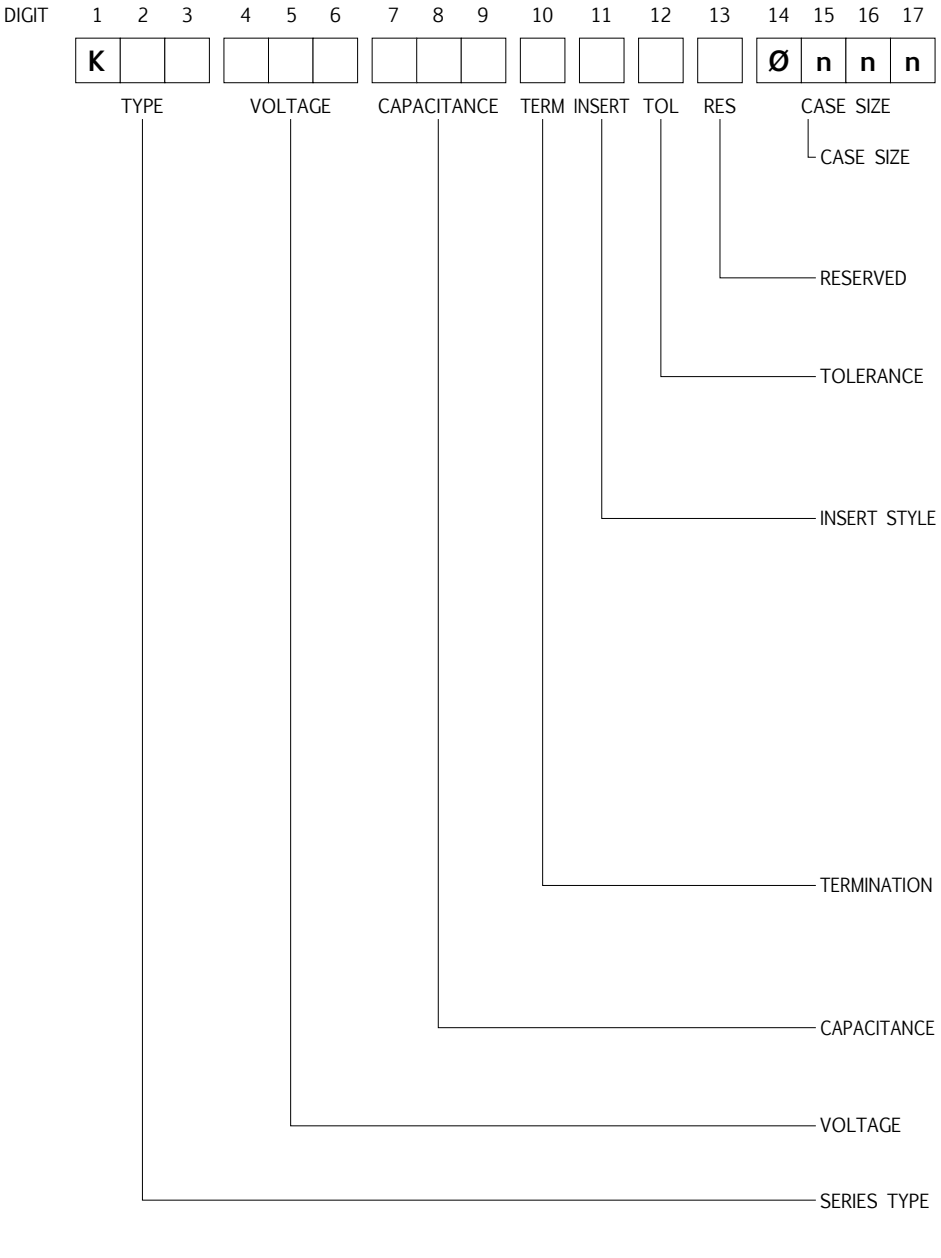
USEFUL LIFE K01



The graphs shows a typical trend of the standard capacitor load life.
For a more accurate calculation of the load life for a specific capacitor, please use our calculator on the website www.kendeil.com or enquiry our technical service.

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.



CASE SIZE — Ø=DIAMETER code:
E=35 G=51 H=63 M=72 J=76 L=90
nnn=LENGTH (in mm)

RESERVED — 0 = standard ratings, 1= special, n= others
W = special design charge/discharge welding apps

TOLERANCE — tolerance range as IEC62
M= ±20%, Q= -10% +30%, X= custom
T= -10% +50%
U= -10% +75%

INSERT STYLE — insert type on decks
0= diam 35 small diameter M5
C= M6 small diameter insert
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 protection against polarity reversal
Q= M6 protection against polarity reversal
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

TERMINATION — terminal as follows:
0= no stud,
M= M8x12 stud ONLY diam 35 mm
S= M12x16 stud for diam 51-63-72-76-90 mm

CAPACITANCE — [µF] - 2 significant digits plus multiplying factor
1= x10, 2= x100, 3= x1000, 4= x10000

VOLTAGE — DC rated voltage [V]

SERIES TYPE — Kendeil Aluminium Electrolytic Capacitor Type:
K01, K02, K03, K04, K07, K11, K21, K22,
K41, K42, K61, K71, K72, K91, K92

EXAMPLES

K 0 1 1 0 0 2 2 3 0 H M 0 H 1 0 5	K01 100V 22000µF, Hi ripple, -20%+20%, 63x105
K 0 1 0 6 3 2 2 3 S H Q 0 G 1 0 5	K01 63V 22000µF, stud M12x16, Hi rip. -10%+30%, 51x105
K 0 2 0 4 0 1 0 4 0 H M 0 J 1 4 3	K02 40V 100000µF, Hi ripple, -20%+20%, 76x143

Specifications subject to change without notice

(*) Note for INSERT STYLE

M5 long insert style dedicated to not insulated bus bar
(+2 mm height versus STD High Ripple code)

Kendeil™