

- 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.

APPLICATIONS

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

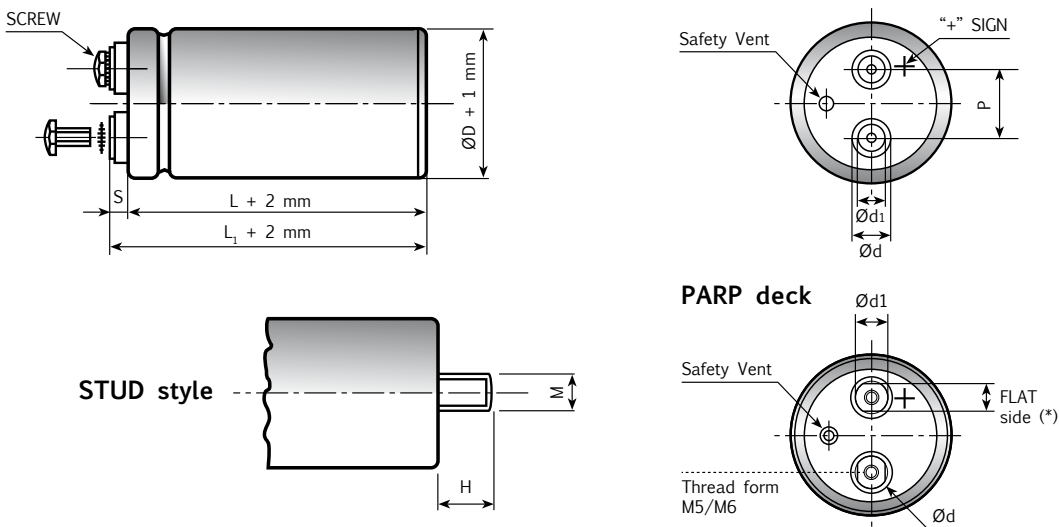


Diagram of dimensions (unit=mm)
Insert and screw threads: Metric (mm), UNF (inches)

ØD	d	d1	P	STUD		INSERT	SCREW	L1	-L[-1+3]	S[-1+1]	INSERT STYLE CODE
				M	H						
35	11	7.9	12.7	M8	12	M5	5MA x 9.5	2.5		5	0
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
51	13	13 (10)*	22.7	M12	16	PARP M5	5MA x 9.5	6		7	K
63	15	15 (13)*	28.6	M12	16	PARP M5	5MA x 9.5	6		7	K
76	19	15 (13)*	31.8	M12	16	PARP M5	5MA x 9.5	6		7	K
76	19	15 (13)*	31.8	M12	16	PARP M6	6MA x 10	6		7	Q
90	19	15 (13)*	31.8	M12	16	PARP M6	6MA x 10	6		7	Q

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

SPECIFICATIONS

Temperature Range	Operating: -40°C +85°C Storage : Preferably below +25°C, not exceeding +40°C	[Environmental classification 40/85/56 IEC-68]																																				
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 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 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:																																					
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">FREQUENCY</td> <td style="text-align: center;">50Hz</td> <td style="text-align: center;">100Hz</td> <td style="text-align: center;">500 Hz</td> <td style="text-align: center;">1000Hz</td> <td style="text-align: center;">>10kHz</td> </tr> <tr> <td style="text-align: left;">MULTIPLIER</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">1.0</td> <td style="text-align: center;">1.2</td> <td style="text-align: center;">1.3</td> <td style="text-align: center;">1.5</td> </tr> <tr> <td style="text-align: left;">AMBIENT TEMP</td> <td style="text-align: center;">35°C</td> <td style="text-align: center;">45°C</td> <td style="text-align: center;">55°C</td> <td style="text-align: center;">65°C</td> <td style="text-align: center;">75°C</td> <td style="text-align: center;">85°C</td> <td style="text-align: center;">95°C</td> </tr> <tr> <td style="text-align: left;">MULTIPLIER</td> <td style="text-align: center;">2.2</td> <td style="text-align: center;">2.1</td> <td style="text-align: center;">1.8</td> <td style="text-align: center;">1.6</td> <td style="text-align: center;">1.4</td> <td style="text-align: center;">1.0</td> <td style="text-align: center;">0.5</td> </tr> <tr> <td style="text-align: left;">Maximum internal temperature</td> <td colspan="7" style="text-align: center;">98°C</td> </tr> </table>		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						
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:																																					
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">CAPACITOR DIAMETER</td> <td style="text-align: center;">35mm</td> <td style="text-align: center;">51mm</td> <td style="text-align: center;">63mm</td> <td style="text-align: center;">76mm</td> <td style="text-align: center;">90mm</td> </tr> <tr> <td style="text-align: left;">Maximum current</td> <td style="text-align: center;">20A</td> <td style="text-align: center;">30A</td> <td style="text-align: center;">40A</td> <td style="text-align: center;">50A</td> <td style="text-align: center;">70A</td> </tr> </table>		CAPACITOR DIAMETER	35mm	51mm	63mm	76mm	90mm	Maximum current	20A	30A	40A	50A	70A																								
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																																					
Withstand voltage (between terminals bundled and plate)	2500 VAC for 1 min																																					
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 Failure rate	≤ 1% (during useful life) ≤ 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 (V _n applied, 2000 hours, 85% RH)	Stable electrical parameters in humidity ambient condition 85°C																																					
Electrolyte	All the capacitors of this series have self-extinguishing electrolyte in accordance with IEC EN 60695-11-10																																					
Reference standards	CECC 30.300 IEC 60384-4 LONG LIFE GRADE																																					

K01 TYPE STANDARD RATINGS

Cap μF	$\varnothing \times L$ mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	I _r a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
22000	35x60	0.35	18	16	6.6	K01016223__M0E060
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

**RATED
VOLTAGE
VDC**

16V

Cap μF	$\varnothing \times L$ mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	I _r 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	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

**RATED
VOLTAGE
VDC**

25V

K01 TYPE STANDARD RATINGS

**RATED
VOLTAGE
VDC**

40V

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
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	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

**RATED
VOLTAGE
VDC**

50V

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
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
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
4700	35x60	0.15	29	25	6.2	K01063472__M0E060
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

**RATED
VOLTAGE
VDC**

63V

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
4700	35x60	0.15	29	25	5.4	K01075472__M0E060
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

**RATED
VOLTAGE
VDC**

75V

K01 TYPE STANDARD RATINGS

**RATED
VOLTAGE
VDC**

100V

Cap μF	$\varnothing \times L$ mm	Tan δ MAX 100 Hz 20°C	ESR TYP $m \Omega$ 100 Hz 20°C	Z TYP $m \Omega$ 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
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

**RATED
VOLTAGE
VDC**

160V

Cap μF	$\varnothing \times L$ mm	Tan δ MAX 100 Hz 20°C	ESR TYP $m \Omega$ 100 Hz 20°C	Z TYP $m \Omega$ 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
1000	35x79	0.10	98	90	4.0	K01160102__M0E079
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	$\varnothing \times \text{L}$ 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
680	35X60	0.10	124	119	3.4	K01200681__M0E060
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

**RATED
VOLTAGE
VDC**

200V

Cap μF	$\varnothing \times \text{L}$ 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
470	35x60	0.10	211	200	2.8	K01250471__M0E060
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

**RATED
VOLTAGE
VDC**

250V

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
470	35X60	0.10	170	136	3.3	K01350471__M0E060
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

**RATED
VOLTAGE
VDC**

350V

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
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	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

**RATED
VOLTAGE
VDC**

400V

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
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	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

**RATED
VOLTAGE
VDC**

450V

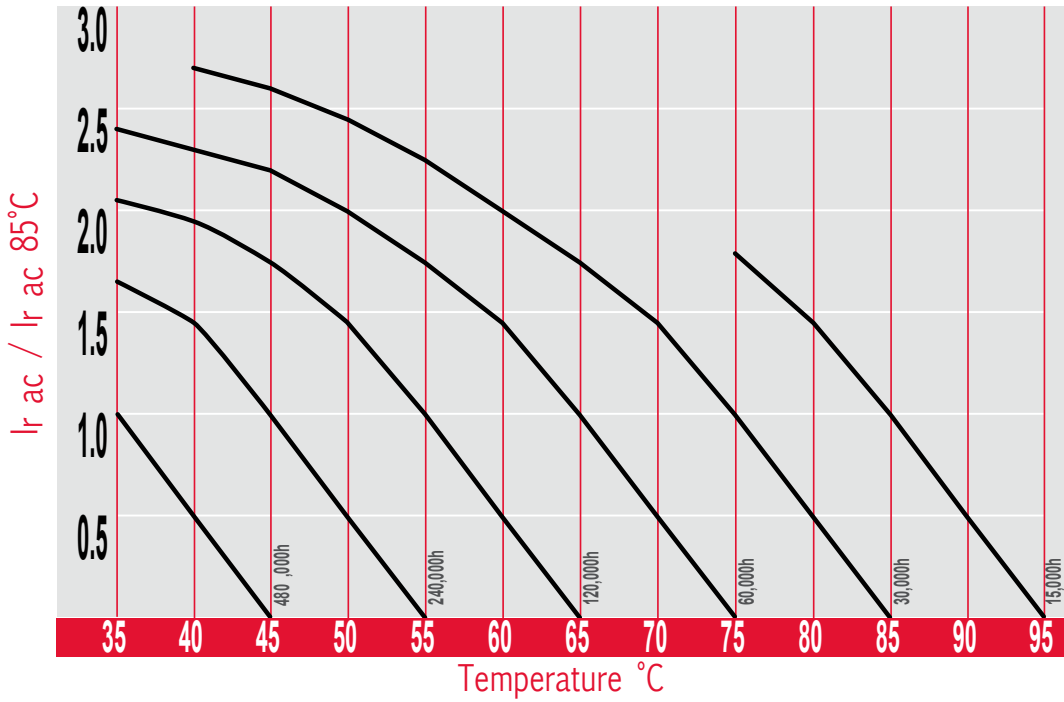
Cap μF	Ø x L mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
1000	51x105	0.15	125	114	4.0	K01500102__M0G105
1500	63x105	0.15	81	91	5.2	K01500152__M0H105
2200	76x105	0.15	62	66	7.4	K01500222__M0J105
2200	76x143	0.15	55	66	8.2	K01500222__M0J143
3300	76x143	0.15	39	53	10.3	K01500332__M0J143
4700	76x143	0.15	30	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

**RATED
VOLTAGE
VDC**

500V

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

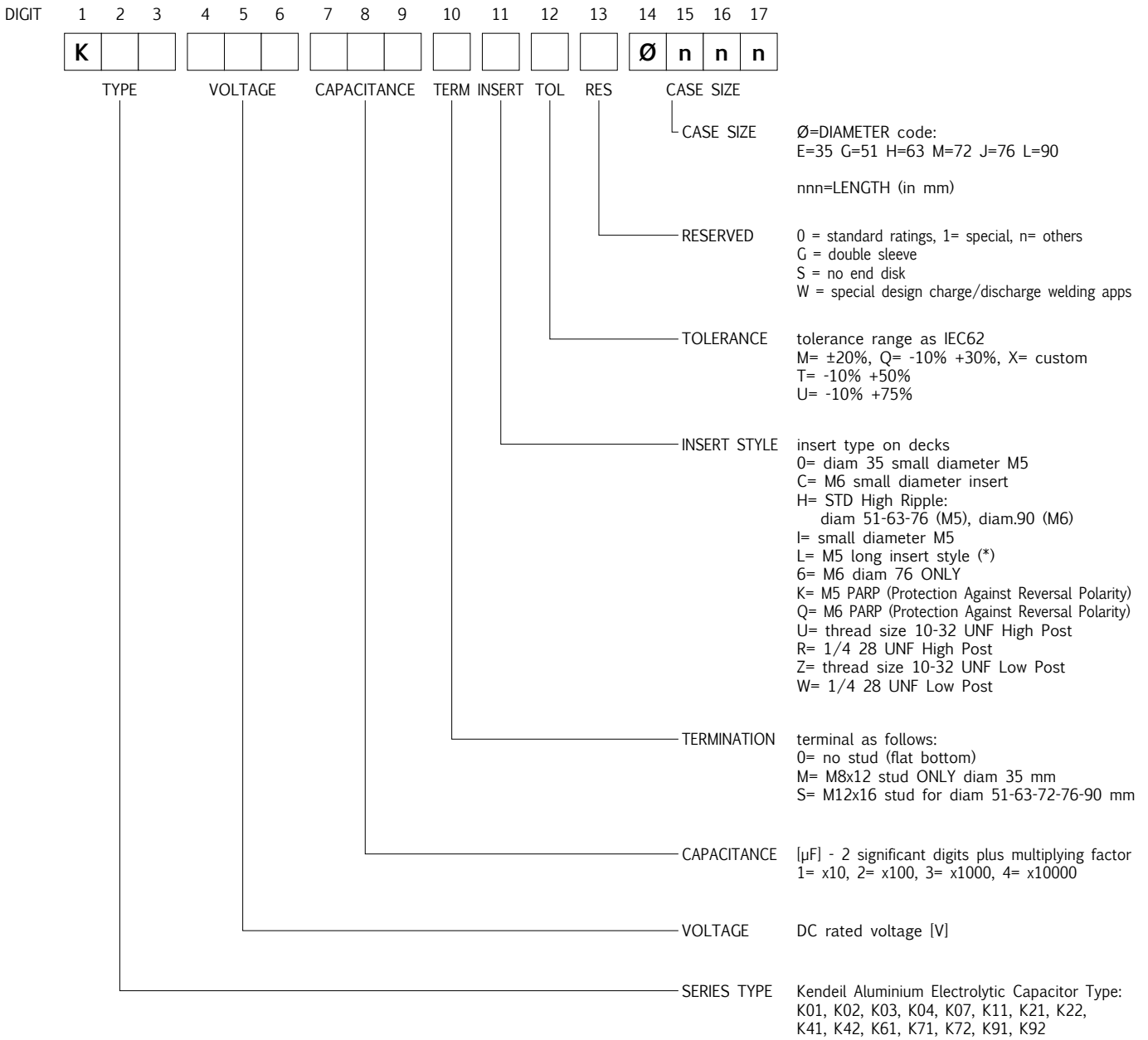
USEFUL LIFE K01



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.



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 digit_11

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