

K41 TYPE -40°C +85°C 15000H

RoHS Compliant

- Surge-proof capacitor in aluminium can with insulation sleeve.
- To be mounted with ring clips or with threaded stud.
- Design optimized for long term vibration stress, traction market.
- Octagonal can shape.

APPLICATIONS

Designed for professional application under high mechanical stress.

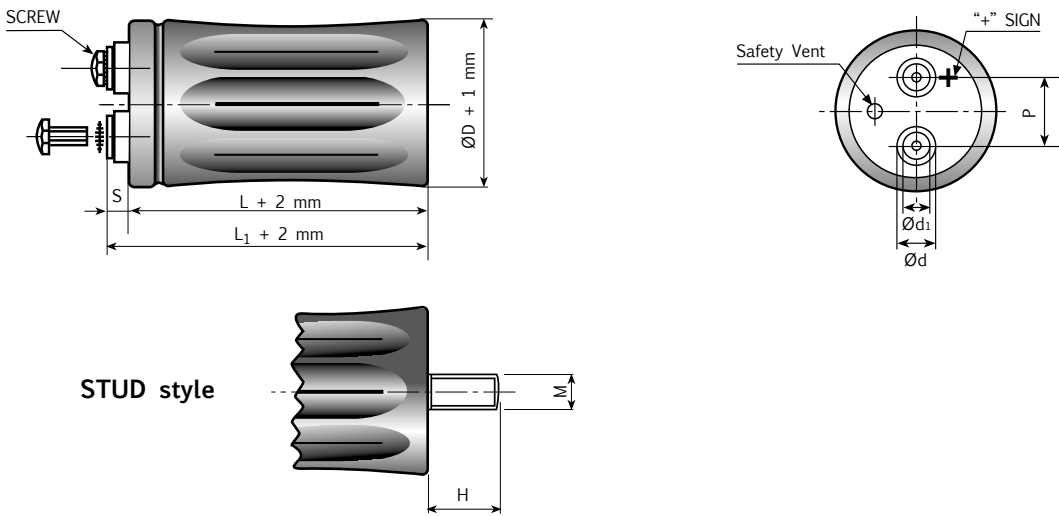


Diagram of dimensions (unit=mm)
Insert and screw threads: Metric (mm), UNF (inches)

ØD	d	d1	P	STUD M	H	INSERT	SCREW	L1 -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

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>50Hz</td> <td>100Hz</td> <td>500 Hz</td> <td>1000Hz</td> <td>>10kHz</td> <td></td> <td></td> </tr> <tr> <td style="text-align: left;">MULTIPLIER</td> <td>0.8</td> <td>1.0</td> <td>1.2</td> <td>1.3</td> <td>1.5</td> <td></td> <td></td> </tr> <tr> <td style="text-align: left;">AMBIENT TEMP</td> <td>35°C</td> <td>45°C</td> <td>55°C</td> <td>65°C</td> <td>75°C</td> <td>85°C</td> <td>95°C</td> </tr> <tr> <td style="text-align: left;">MULTIPLIER</td> <td>2.2</td> <td>2.1</td> <td>1.8</td> <td>1.6</td> <td>1.4</td> <td>1.0</td> <td>0.5</td> </tr> <tr> <td style="text-align: left;">Maximum internal temperature</td> <td colspan="7">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>35mm</td> <td>51mm</td> <td>63mm</td> <td>76mm</td> <td>90mm</td> </tr> <tr> <td style="text-align: left;">Maximum current</td> <td>20A</td> <td>30A</td> <td>40A</td> <td>50A</td> <td>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 Centrifugal acceleration 20g for 48 hours																																									
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																																									
Reference standards	CECC 30.300 IEC 60384-4 LONG LIFE GRADE																																									

K41 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
22000	35x60	0.35	18	16	6.6	K41016223__M0E060
33000	35x79	0.40	15	13	10.2	K41016333__M0E079
47000	51x79	0.55	13	12	12.5	K41016473__M0G079
68000	51x79	0.60	12	11	15.7	K41016683__M0G079
100000	51x79	0.80	10	11	16.5	K41016104__M0G079
100000	51x105	0.80	10	10	18.7	K41016104__M0G079
150000	51x105	1.10	10	9	19.5	K41016154__M0G105
150000	63x105	1.10	10	9	21.5	K41016154__M0H105
220000	63x105	1.50	8	8	22.4	K41016224__M0H105
330000	63x105	1.90	8	8	23.3	K41016334__M0H105
330000	76x105	1.90	8	8	25.0	K41016334__M0J105
470000	76x105	1.90	5	5	28.5	K41016474__M0J105
470000	76x143	1.90	5	5	32.0	K41016474__M0J143
680000	76x143	2.50	4	4	32.5	K41016684__M0J143
1000000	76x214	2.50	3	3	44.5	K41016105__M0J214
1500000	90x220	3.00	3	3	48.7	K41016155__M0L220

**RATED
VOLTAGE
VDC**

16V

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	0.25	27	21	5.9	K41025103__M0E060
15000	35x60	0.28	16	12	9.3	K41025153__M0E060
22000	35x79	0.35	18	16	11.8	K41025223__M0E079
33000	35x79	0.40	15	14	12.1	K41025333__M0E079
33000	51x79	0.40	15	14	13.3	K41025333__M0G079
47000	51x79	0.50	12	10	15.7	K41025473__M0G079
68000	51x79	0.60	10	9	16.4	K41025683__M0G079
68000	51x105	0.60	10	9	18.7	K41025683__M0G105
100000	51x105	0.70	10	9	19.5	K41025104__M0G105
100000	63x105	0.70	10	9	21.5	K41025104__M0H105
150000	63x105	1.00	9	9	22.0	K41025154__M0H105
150000	76x105	1.00	9	9	23.5	K41025154__M0J105
220000	76x105	1.50	9	9	24.2	K41025224__M0J105
220000	76x143	1.50	9	9	28.5	K41025224__M0J105
330000	76x143	2.00	9	9	30.5	K41025334__M0J143
470000	76x214	2.00	5	5	35.6	K41025474__M0J214

**RATED
VOLTAGE
VDC**

25V

K41 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	I _r a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
10000	35x60	0.20	18	12	6.5	K41040103__M0E060
15000	35x60	0.25	13	10	7.4	K41040153__M0E060
15000	35x79	0.25	13	10	8.6	K41040153__M0E079
22000	35x79	0.30	16	14	8.9	K41040223__M0E079
22000	51x79	0.30	16	14	10.4	K41040223__M0G079
33000	51x79	0.35	15	13	13.5	K41040333__M0G079
47000	51x79	0.40	10	9	14.2	K41040473__M0G079
47000	51x105	0.40	10	9	15.1	K41040473__M0G105
47000	63x105	0.40	10	9	17.6	K41040473__M0H105
68000	51x105	0.50	10	8	18.2	K41040683__M0G105
68000	63x105	0.50	10	8	19.5	K41040683__M0H105
100000	63x105	0.60	9	8	21.2	K41040104__M0H105
150000	76x105	0.90	9	8	25.7	K41040154__M0J105
220000	76x143	1.00	6	6	31.5	K41040224__M0J143
330000	76x214	1.20	5	5	38.5	K41040334__M0J214

**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	I _r a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
4700	35x60	0.20	33	30	5.6	K41050472__M0E060
6800	35x60	0.20	25	24	7.0	K41050682__M0E060
10000	35x60	0.20	21	20	10.0	K41050103__M0E060
15000	35x79	0.25	17	15	11.3	K41050153__M0E079
22000	51x79	0.30	16	13	13.1	K41050223__M0G079
33000	51x105	0.35	15	13	16.0	K41050333__M0G105
33000	63x105	0.35	15	13	17.5	K41050333__M0H105
47000	51x105	0.40	12	10	16.2	K41050473__M0G105
47000	63x105	0.40	12	10	18.3	K41050473__M0H105
68000	63x105	0.60	12	9	18.0	K41050683__M0H105
68000	76x105	0.60	12	9	22.1	K41050683__M0J105
100000	76x105	0.90	8	8	23.8	K41050104__M0J105
100000	76x143	0.90	8	8	25.8	K41050104__M0J143
150000	76x143	1.00	6	6	31.5	K01050154__M0J143

**RATED
VOLTAGE
VDC**

50V

K41 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	K41063472__M0E060
6800	35x60	0.18	21	20	7.0	K41063682__M0E060
6800	35x79	0.18	21	20	8.2	K41063682__M0E079
10000	35x79	0.20	21	20	8.7	K41063103__M0E079
10000	51x79	0.20	18	16	10.1	K41063103__M0G079
15000	51x79	0.25	15	13	11.1	K41063153__M0G079
22000	51x79	0.30	13	11	12.4	K41063223__M0G079
22000	51x105	0.30	13	11	14.6	K41063223__M0G105
33000	51x105	0.35	11	10	15.6	K41063333__M0G105
33000	63x105	0.35	11	10	17.9	K41063333__M0H105
47000	63x105	0.45	11	10	18.8	K41063473__M0H105
68000	76x105	0.50	11	10	25.7	K41063683__M0J105
100000	76x105	0.55	8	8	31.5	K41063104__M0J105
100000	76x143	0.55	8	8	34.5	K41063104__M0J143
150000	76x143	0.60	6	6	36.1	K41063154__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	K41075472__M0E060
6800	35x79	0.18	20	20	8.5	K41075682__M0E079
10000	51x79	0.20	18	16	11.0	K41075103__M0G079
15000	51x105	0.25	15	13	12.7	K41075153__M0G105
22000	51x105	0.30	12	11	15.2	K41075223__M0G105
22000	63x105	0.30	12	11	16.2	K41075223__M0H105
33000	63x105	0.35	11	10	16.8	K41075333__M0H105
33000	76x105	0.35	11	10	18.5	K41075333__M0J105
47000	76x105	0.45	10	10	20.1	K41075473__M0J105
47000	76x143	0.45	10	10	22.1	K41075473__M0J143
68000	76x143	0.60	10	10	26.0	K41075683__M0J143
100000	76x143	0.60	8	8	34.9	K41075104__M0J143

**RATED
VOLTAGE
VDC**

75V

K41 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
1500	35x60	0.15	84	65	4.0	K41100152__M0E060
2200	35x60	0.15	57	47	5.0	K41100222__M0E060
3300	35x60	0.15	48	39	5.3	K41100332__M0E060
3300	35x79	0.15	48	39	6.8	K41100332__M0E079
4700	35x79	0.15	30	26	7.5	K41100472__M0E079
4700	51x79	0.15	30	26	10.0	K41100472__M0G079
6800	51x79	0.20	23	20	11.1	K41100682__M0G079
10000	51x79	0.20	16	14	11.9	K41100103__M0G079
10000	51x105	0.20	16	14	13.9	K41100103__M0G105
10000	63x105	0.20	16	14	14.5	K41100103__M0H105
15000	51x105	0.25	13	12	14.8	K41100153__M0G105
15000	63x105	0.25	13	12	17.5	K41100153__M0H105
22000	63x105	0.25	12	12	18.2	K41100223__M0H105
33000	76x105	0.25	10	10	23.1	K41100333__M0J105
47000	76x143	0.30	10	9	30.2	K41100473__M0J143
68000	76x143	0.30	8	8	36.5	K41100683__M0J143
68000	76x214	0.40	6	5	39.5	K41100104__M0L214

**RATED
VOLTAGE
VDC**

100V

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	35x79	0.10	98	90	4.0	K41160102__M0E079
1500	51x79	0.10	62	71	5.3	K41160152__M0G079
2200	51x79	0.10	50	43	7.0	K41160222__M0G079
3300	51x105	0.12	35	30	8.6	K41160332__M0G105
4700	51x105	0.12	25	25	10.9	K41160472__M0G105
4700	63x105	0.12	25	25	11.9	K41160472__M0H105
6800	63x105	0.12	20	22	13.0	K41160682__M0H105
10000	76x105	0.15	13	12	17.4	K41160103__M0J105
10000	76x143	0.15	13	12	19.4	K41160103__M0J143
15000	76x143	0.15	11	10	20.9	K41160153__M0J143
22000	76x143	0.20	10	10	26.4	K41160223__M0J143
33000	76x214	0.20	8	8	34.1	K41160333__M0J214

**RATED
VOLTAGE
VDC**

160V

K41 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	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
680	35X60	0.10	124	119	3.4	K41200681__M0E060
1000	51x79	0.10	86	88	4.2	K41200102__M0G079
1500	51x79	0.10	60	63	5.8	K41200152__M0G079
2200	51x105	0.10	40	37	7.2	K41200222__M0G105
3300	51x105	0.12	32	30	9.0	K41200332__M0G105
3300	63x105	0.12	31	29	10.2	K41200332__M0H105
4700	51x105	0.12	28	26	10.4	K41200472__M0G105
4700	63x105	0.12	27	25	11.1	K41200472__M0H105
5600	63x105	0.12	21	18	12.1	K41200562__M0H105
6800	63x105	0.12	20	16	13.9	K41200682__M0H105
6800	76x105	0.12	19	15	14.3	K41200682__M0J105
8200	76x105	0.12	16	14	14.8	K41200822__M0J105
10000	76x105	0.15	13	12	15.8	K41200103__M0J105
10000	76x143	0.15	13	12	18.6	K41200103__M0J143
15000	76x143	0.18	12	12	21.4	K41200153__M0J143
22000	76x143	0.18	9	9	28.9	K41200223__M0J143
33000	76x214	0.22	8	8	36.1	K41200333__M0J214

**RATED
VOLTAGE
VDC**

200V

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	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
470	35x60	0.10	211	200	2.8	K41250471__M0E060
680	35x79	0.10	127	121	3.5	K41250681__M0E079
1000	51x79	0.10	110	95	4.5	K41500102__M0G079
1500	51x79	0.10	64	56	5.0	K41250152__M0G079
2200	51x105	0.10	40	36	7.5	K41250222__M0G105
3300	51x105	0.12	31	26	9.8	K41250332__M0G105
3300	63x105	0.12	30	25	11.0	K41250332__M0H105
4700	63x105	0.12	24	21	11.8	K41250472__M0H105
4700	76x105	0.12	20	18	13.2	K41250472__M0J105
5600	76x105	0.12	17	16	13.8	K41250562__M0J105
6800	76x105	0.12	15	13	14.1	K41250682__M0J105
8200	76x143	0.12	14	13	16.0	K41250822__M0J143
10000	76x143	0.13	13	12	19.7	K41250103__M0J143
15000	76x143	0.13	11	11	21.9	K41250153__M0J143
22000	76x214	0.14	10	9	34.2	K41250223__M0J214

**RATED
VOLTAGE
VDC**

250V

K41 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	35X79	0.10	108	95	4.0	K41350471__M0E079
680	35X79	0.10	108	95	4.0	K41350681__M0E079
1000	51x79	0.10	79	62	5.0	K41350102__M0G079
1000	51x105	0.10	79	62	5.5	K41350102__M0G105
1500	51x105	0.10	60	52	7.4	K41350152__M0G105
2200	51x105	0.10	44	40	9.0	K41350222__M0G105
2200	63x105	0.10	37	34	9.5	K41350222__M0H105
3300	63x105	0.12	26	22	10.1	K41350332__M0H105
3300	76x105	0.12	26	22	12.8	K41350332__M0J105
4700	76x105	0.12	17	16	14.5	K41350472__M0J105
4700	76x143	0.12	17	16	17.5	K41350472__M0J143
5600	76x143	0.12	17	16	18.5	K41350562__M0J143
6800	76x143	0.12	16	15	19.2	K41350682__M0J143
8200	76x143	0.12	16	15	20.7	K41350822__M0J143
10000	76x214	0.14	15	14	26.6	K41350103__M0J214
15000	76x214	0.15	14	14	31.7	K41350153__M0J214
22000	90x220	0.20	13	13	35.4	K41350223__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	K41400221__M0E060
330	35x60	0.10	290	273	2.8	K41400331__M0E060
470	35x79	0.10	165	155	3.5	K41400471__M0E079
680	51x79	0.10	120	115	4.7	K41400681__M0G079
680	51x105	0.10	124	120	5.1	K41400681__M0G105
1000	51x79	0.10	105	95	5.8	K41400102__M0G079
1000	51x105	0.10	110	85	6.3	K41400102__M0G105
1500	51x105	0.10	65	55	7.0	K41400152__M0G105
1500	63x105	0.10	65	55	7.9	K41400152__M0H105
2200	63x105	0.10	50	47	9.0	K41400222__M0H105
2200	76x105	0.10	50	47	10.7	K41400222__M0J105
3300	63x105	0.12	35	30	11.0	K41400332__M0H105
3300	76x105	0.12	35	30	13.1	K41400332__M0J105
3300	76x143	0.12	35	30	14.2	K41400332__M0J143
4700	76x105	0.15	30	29	14.9	K41400472__M0J105
4700	76x143	0.15	30	29	18.8	K41400472__M0J143
5600	76x143	0.15	26	25	19.0	K41400562__M0J143
6800	76x143	0.15	20	18	19.5	K41400682__M0J143
10000	76x214	0.15	20	19	26.0	K41400103__M0J214
15000	90x220	0.20	15	12	33.5	K41400153__M0L220

**RATED
VOLTAGE
VDC**

400V

K41 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	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
470	51x79	0.10	200	179	4.0	K41450471__M0G079
680	51X79	0.10	140	128	4.4	K41450681__M0G079
680	51x105	0.10	140	128	5.0	K41450681__M0G105
1000	51x79	0.10	100	88	4.8	K41450102__M0G079
1000	51x105	0.10	100	88	6.4	K41450102__M0G105
1500	51X105	0.10	67	55	7.1	K41450152__M0G105
1500	63x105	0.10	67	55	8.0	K41450152__M0H105
2200	63x105	0.10	60	55	9.0	K41450222__M0H105
2200	76x105	0.10	60	47	11.2	K41450222__M0J105
2200	76x143	0.10	60	47	12.5	K41450222__M0J143
3300	76x105	0.12	35	30	11.2	K41450332__M0J105
3300	76x143	0.12	35	30	12.9	K41450332__M0J143
4700	76x143	0.15	32	30	15.0	K41450472__M0J143
5600	76x143	0.15	26	25	19.0	K41450562__M0J143
6800	76x214	0.15	23	22	19.0	K41450682__M0J214
8200	76x214	0.15	22	20	19.0	K41450822__M0J214
10000	76x143	0.20	22	20	19.0	K41450103__M0J143
10000	76x214	0.20	20	19	23.1	K41450103__M0J214
12000	76x214	0.20	15	12	29.8	K41450123__M0J214
15000	90x220	0.20	14	12	32.6	K41450153__M0L220

**RATED
VOLTAGE
VDC**

450V

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	Ir a.c. A max 100 Hz 85°C	PART NUMBER stud and insert style excluded
1000	51x105	0.15	125	114	4.0	K41500102__M0G105
1500	63x105	0.15	100	91	5.2	K41500152__M0H105
2200	76x105	0.15	70	66	7.4	K41500222__M0J105
2200	76x143	0.15	70	66	8.2	K41500222__M0J143
3300	76x143	0.15	55	53	10.3	K41500332__M0J143
4700	76x214	0.20	40	37	18.5	K41500472__M0J214
5600	76x214	0.15	26	22	19.8	K41500562__M0J214
6800	76x214	0.15	24	22	20.2	K41500682__M0J214

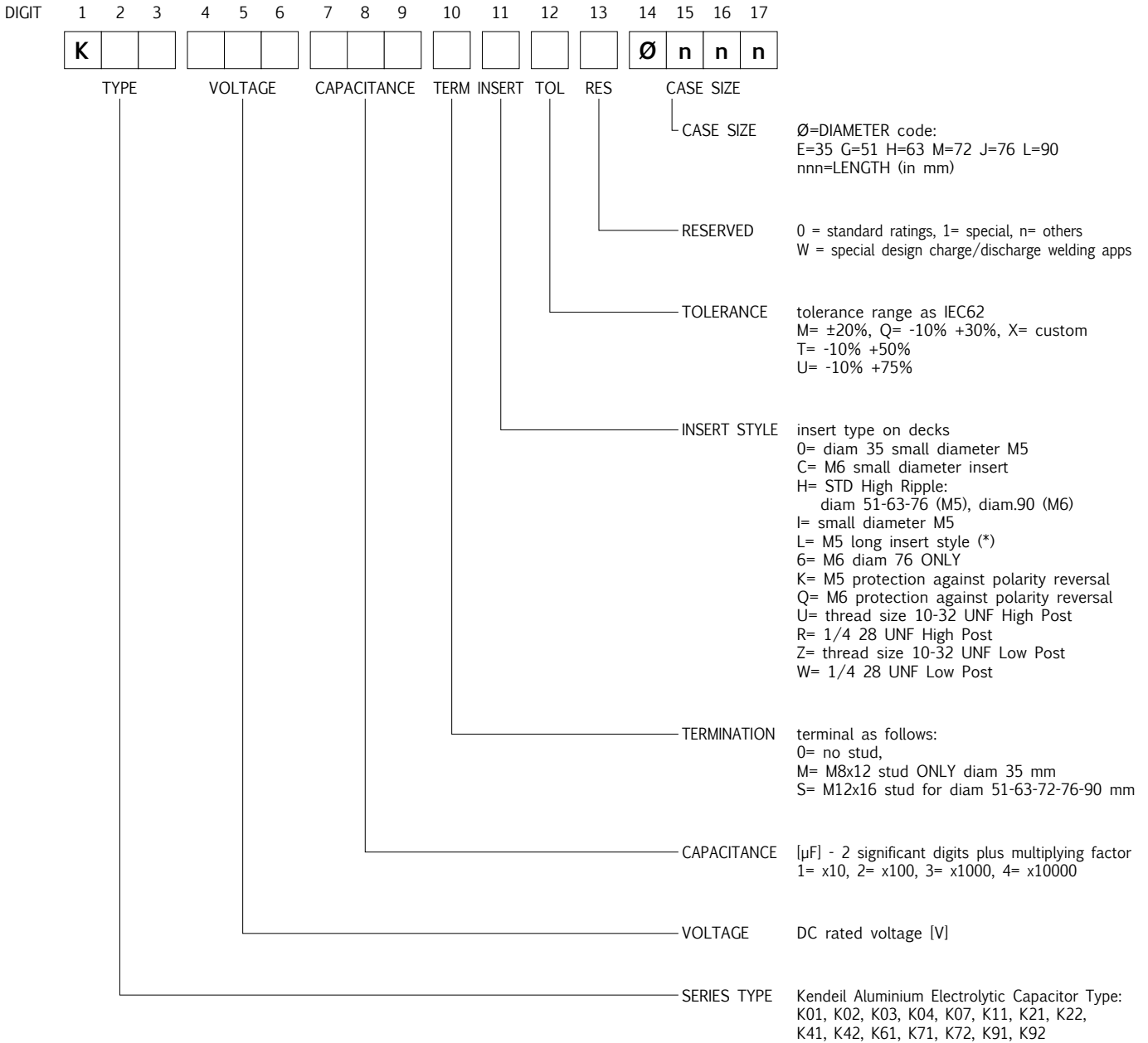
**RATED
VOLTAGE
VDC**

500V

PLEASE TO 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.



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)