- Surge-proof capacitor in aluminium can with insulation sleeve
- Safety vent at bottom case or aside case.
- Snap in terminals for PCB mounting.
- Very high CV for unit volume with low ESR.
- High ripple current, in small dimensions case size.
- Extended temperature range with outstanding reliability.

APPLICATIONS

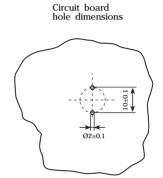
Professional switch mode power supplies. Professional power electronics.

Dimensions in mm.

2 PIN CAPACITOR

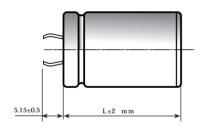
L±2 mm

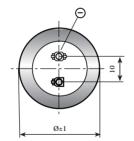
ر1

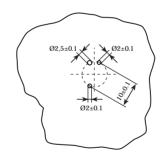


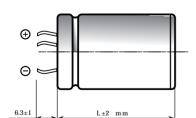
PIN LENGTH P 4.5 short pin P 6.3 long pin (standard)

3 PIN CAPACITOR

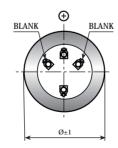


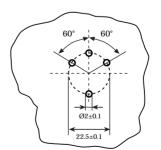






4 PIN CAPACITOR





Ø	22	25	30	35	40	45	50
2 PINS	•	•	•	•	•		
3 PINS		•	•	•			
4 PINS				•	•	•	•

On demand, only for capacitors with diam ≥ 35mm: octagonal can shape for long stress vibration applications



SPECIFICATIONS

Temperature Range	Operating: -40°C +105°C [Environmental classification 40/105/56 IEC-68] Storage : Preferably below +25°C, not exceeding +40°C								
Rated Voltage Range (Vr)	from 16V to 500V DC								
Surge Voltage (V _P)	$\begin{array}{lll} V_p = \ 1.15 \ V_r & (V_r \leq 250V \ DC) \\ V_p = \ 1.10 \ V_r & (V_r > 250V \ DC) \end{array}$								
Rated Capacitance Range	from 68 μF to 47,000 μF								
Capacitance Tolerance	±20% at 100 Hz, 20°C [M class IEC-62]								
Leakage Current (II.) (mA, 5 min, 20°C)	$max~L=0.006~C_r~V_r~+~4~\mu A$ Kendeil product limit : $L=0.003~C_r~V_r$ At $~85^{\circ}C~max~L=0.02~C_r~V_r~\mu A$								
Ripple current (I _r)	Refer to table at 105°C and 100Hz. For different temperature and frequency multiplier must be used as follows:								
	FREQUENCY 50Hz 100Hz 500 Hz 1000Hz >10kHz								
	MULTIPLIER (0-25V Vr DC) 0.91 1.0 1.15 1.15 1.2								
	MULTIPLIER (40-100V Vr DC) 0.88 1.0 1.35 1.40 1.45								
	MULTIPLIER (160-450V Vr DC) 0.88 1.0 1.45 1.50 1.55								
	AMBIENT TEMP. 35°C 45°C 55°C 65°C 75°C 85°C 95°C 105°C 110°C MULTIPLIER 3.0 2.80 2.60 2.40 2.20 1.80 1.50 1.0 0.5								
	Maximum internal temperature 108°C								
Insulation Resistance	At 100V DC for 1 min is $>$ 100 M Ω across insulating sleeve and terminals.								
Vibration Resistance	Frequency range: 10 Hz to 500 Hz, amplitude 0.75 mm max acceleration 10g for 3x2 h								
Life test	After 2,000 hours application of rated voltage at 105°C Cap change capacitors meet characteristics aside $ \begin{array}{ccccccccccccccccccccccccccccccccccc$								
Shelf life	After leaving capacitors under no load for 500 hours at 105°C, when restored at 20°C meet specifications aside tan δ \leq 150% Leakage current (L) < initial limit								
Useful life (Vn, Temp rated I ripple applied)	250,000 h at 40°C 15,000 h at 85°C 5,000 h at 105°C								
Failure percentage Failure rate	$\leq 1\%$ (during useful life) ≤ 30 fit (30 $10^{-9}/h$) (Vr $\leq 160V$ DC) ≤ 40 fit (40 $10^{-9}/h$) (Vr $> 160V$ DC)								
Self inductance	Approx. 20 nH								
Reference standards	CECC 30.301 - IEC 60384-4 LONG LIFE GRADE								



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 105°C	PART NUMBER termination digit excluded
6800	25x30	0.30	55	40	1.9	K05016682_PM0C030
10000	25x40	0.40	45	35	2.0	K05016103_PM0C040
10000	30x30	0.40	40	35	2.0	K05016103_PM0D030
15000	25x40	0.45	40	35	2.6	K05016153 PM0C040
15000	30x40	0.45	40	35	2.8	K05016153_PM0D040
22000	30x40	0.60	35	24	3.1	K05016223_PM0D040
22000	35x40	0.60	35	24	3.3	K05016223_PM0E040
33000	35x50	0.70	25	20	3.6	K05016333_PM0E050
47000	35x50	0.90	22	20	4.9	K05016473_PM0E050
	00/100	0.00				
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 105°C	PART NUMBER termination digit excluded
4700	25x30	0.25	53	45	1.8	K05025472_PM0C030
6800	25x30	0.25	50	38	2.0	K05025682_PM0C030
6800	30x30	0.30	50	38	2.2	K05025682_PM0D030
10000	25x40	0.40	40	35	2.4	K05025103_PM0C040
10000	30x30	0.40	40	35	2.3	K05025103_PM0D030
15000	30x40	0.45	39	28	2.9	K05025153_PM0D040
15000	35x40	0.45	39	28	3.2	K05025153_PM0E040
22000	35x50	0.60	30	22	3.3	K05025223_PM0E050
33000	35x50	0.70	22	18	4.3	K05025333_PM0E050
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 105°C	PART NUMBER termination digit excluded
3300	25x30	0.20	72	58	1.5	K05040332_PM0C030
4700	25x30	0.20	50	38	1.8	K05040472_PM0C030
4700	30x25	0.20	50	38	1.8	K05040472_PM0D025
6800	25x40	0.30	48	33	2.3	K05040682_PM0C040
6800	30x30	0.30	48	33	2.4	K05040682_PM0D030
10000	30x40	0.40	39	28	2.8	K05040103_PM0D040
10000	35x30	0.40	39	28	2.9	K05040103_PM0E030
10000	35x40	0.40	39	28	3.1	K05040103_PM0E040
15000	30x40	0.45	32	22	2.8	K05040153_PM0D040
15000	35x40	0.45	32	22	3.7	K05040153_PM0E040
22000	35x40	0.55	28	20	5.1	K05040223_PM0E040
22000	35x50	0.55	28	20	5.4	K05040223_PM0E050

RATED VOLTAGE VDC

16V

RATED VOLTAGE VDC

25V

RATED VOLTAGE VDC



Cap μF Ø x L mm Tan δ MAX MAX TYP m Ω TYP m Ω A max 100 Hz 20°C Tan δ TYP m Ω TYP m Ω A max 100 Hz 20°C Tan δ TyP m Ω TYP m Ω A max 100 Hz 20°C Tan δ TyP m Ω TyP m Ω TyP m Ω A max 100 Hz 20°C Tan δ TyP m Ω TyP m	digit
3300 25x30 0.20 48 38 1.6 K05050332_F	
3300 25x30 0.20 48 38 1.6 K05050332_F	MUCUSU
4700 25x30 0.20 50 35 2.0 K05050472_F	
4700 30x25 0.20 50 35 2.0 K05050472_F	
6800 30x30 0.30 46 28 2.9 K05050682_F	
6800 30x40 0.30 46 28 3.2 K05050682_F	
10000 30x40 0.35 31 22 3.4 K05050103_F	M0D040
10000 35x30 0.35 31 22 3.2 K05050103_F	M0E030
15000 35x50 0.45 26 18 4.7 K05050153_F	M0E050
22000 40x50 0.50 25 18 5.5 K05050223_F	M0F050
CapØ x LTan δESRZIr a.c.PART NUMμFmmMAXTYP m Ω TYP m Ω A maxtermination100 Hz100 Hz10 kHz100 Hzexclude20°C20°C20°C105°C	digit
2200 25x30 0.15 79 60 1.5 K05063222_F	M0C030
3300 25x40 0.15 50 40 2.3 K05063332_F	
3300 30x30 0.15 50 40 2.1 K05063332_F	
4700 25x40 0.20 40 29 2.2 K05063472_F	
4700 30x30 0.20 40 29 2.4 K05063472_F	
4700 30x40 0.20 40 29 2.8 K05063472_F	
6800 30x40 0.30 35 25 3.0 K05063682_F	
6800 35x40 0.30 35 25 4.4 K05063682_F	
10000 35x50 0.35 30 23 5.3 K05063103_F	M0E050
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	digit
1000 22x30 0.10 127 100 1.3 K05100102_F	M0B030
1000 25x30 0.10 127 100 1.7 K05100102_F	M0C030
1000 30x25 0.10 127 100 1.7 K05100102_F	M0D025
1500 25x40 0.12 105 82 2.0 K05100152_F	M0C040
1500 250.40 0.12 105 02 2.0 105100152_1	M0D030
1500 25040 0.12 105 62 2.0 K05100152_F	MUDUSU
	MODOSO
1500 30x30 0.12 105 82 1.8 K05100152_F	
1500 30x30 0.12 105 82 1.8 K05100152_F 2200 30x30 0.15 71 60 2.7 K05100222_F	PM0D040
1500 30x30 0.12 105 82 1.8 K05100152_F 2200 30x30 0.15 71 60 2.7 K05100222_F 2200 30x40 0.15 71 60 2.7 K05100222_F	PM0D040 PM0D050
1500 30x30 0.12 105 82 1.8 K05100152_F 2200 30x30 0.15 71 60 2.7 K05100222_F 2200 30x40 0.15 71 60 2.7 K05100222_F 3300 30x50 0.15 48 39 3.0 K05100332_F	PM0D040 PM0D050 PM0E040
1500 30x30 0.12 105 82 1.8 K05100152_F 2200 30x30 0.15 71 60 2.7 K05100222_F 2200 30x40 0.15 71 60 2.7 K05100222_F 3300 30x50 0.15 48 39 3.0 K05100332_F 3300 35x40 0.15 48 39 3.3 K05100332_F	PM0D040 PM0D050 PM0E040 PM0E040
1500 30x30 0.12 105 82 1.8 K05100152_F 2200 30x30 0.15 71 60 2.7 K05100222_F 2200 30x40 0.15 71 60 2.7 K05100222_F 3300 30x50 0.15 48 39 3.0 K05100332_F 3300 35x40 0.15 48 39 3.3 K05100332_F 4700 35x40 0.15 42 30 3.6 K05100472_F	PM0D040 PM0D050 PM0E040 PM0E040 PM0E050
1500 30x30 0.12 105 82 1.8 K05100152_F 2200 30x30 0.15 71 60 2.7 K05100222_F 2200 30x40 0.15 71 60 2.7 K05100222_F 3300 30x50 0.15 48 39 3.0 K05100332_F 3300 35x40 0.15 48 39 3.3 K05100332_F 4700 35x40 0.15 42 30 3.6 K05100472_F 4700 35x50 0.20 33 26 4.4 K05100472_F	PM0D040 PM0D050 PM0E040 PM0E040 PM0E050
1500 30x30 0.12 105 82 1.8 K05100152_F 2200 30x30 0.15 71 60 2.7 K05100222_F 2200 30x40 0.15 71 60 2.7 K05100222_F 3300 30x50 0.15 48 39 3.0 K05100332_F 3300 35x40 0.15 48 39 3.3 K05100332_F 4700 35x40 0.15 42 30 3.6 K05100472_F 4700 35x50 0.20 33 26 4.4 K05100472_F 5600 35x50 0.20 33 24 4.5 K05100562_F	PM0D040 PM0D050 PM0E040 PM0E040 PM0E050 PM0E050 PM0F050

RATED VOLTAGE VDC

50V

RATED VOLTAGE VDC

63V

RATED VOLTAGE VDC



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 105°C	PART NUMBER termination digit excluded
220	22x30	0.10	440	340	0.9	K05200221_PM0B030
220	25x30	0.10	440	340	1.1	K05200221_PM0C030
330	22x30	0.10	240	133	1.1	K05200331_PM0B030
330	25x25	0.10	240	133	0.7	K05200331_PM0C025
330	25x30	0.10	240	133	1.2	K05200331_PM0C030
470	25x30	0.10	169	98	1.6	K05200471_PM0C030
680	25x40	0.10	145	87	1.7	K05200681_PM0C040
680	30x40	0.10	145	87	2.0	K05200681_PM0D040
1000	30x40	0.10	95	63	2.1	K05200102_PM0D040
1000	35x30	0.10	95	63	2.4	K05200102_PM0E030
1500	30x50	0.10	70	41	2.4	K05200152_PM0D050
1500	35x50	0.10	70	41	2.6	K05200152_PM0E050
2200	35x50	0.12	45	33	2.8	K05200222_PM0E050
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 105°C	PART NUMBER termination digit excluded
100	25x30	0.10	950	730	0.7	K05250101_PM0C030
150	25x30	0.10	530	290	0.7	K05250151_PM0C030
220	25x30	0.10	370	240	0.9	K05250221_PM0C030
330	30x30	0.10	260	153	1.2	K05250331_PM0D030
470	25x40	0.10	180	110	1.5	K05250471_PM0C040
470	30x30	0.10	180	110	1.5	K05250471_PM0D030
680	35x40	0.10	145	95	1.8	K05250681_PM0E040
1000	35x40	0.10	98	65	2.0	K05250102_PM0E040
1000	35x50	0.10	98	65	2.6	K05250102_PM0E050
1500	35x50	0.12	75	43	2.8	K05250152_PM0E050

RATED VOLTAGE VDC

200V

RATED VOLTAGE VDC

250V

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



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 105°C	PART NUMBER termination digit excluded
68	22,420	0.10	1405	1050	0.47	K05400680 PM0B030
	22x30				-	
100	22x30	0.10	796	550	0.5	K05400101_PM0B030
100	25x30	0.10	796	550	0.5	K05400101_PM0C030
150	25x30	0.10	530	380	0.6	K05400151_PM0C030
150	30x30	0.10	530	380	8.0	K05400151_PM0D030
220	25x40	0.10	360	250	1.0	K05400221_PM0C040
220	30x30	0.10	360	250	1.1	K05400221_PM0D030
270	25x40	0.10	320	199	1.2	K05400271_PM0C040
330	25x45	0.10	249	170	1.3	K05400331_PM0C045
330	30x40	0.10	240	170	1.4	K05400331_PM0D040
330	35x30	0.10	240	170	1.4	K05400331_PM0E030
470	30x50	0.10	170	125	1.9	K05400471_PM0D050
470	35x40	0.10	170	125	1.9	K05400471_PM0E040
470	35x50	0.10	170	125	2.2	K05400471_PM0E050
680	35x50	0.10	158	110	2.2	K05400681_PM0E050
680	40x50	0.10	158	110	2.4	K05400681_PM0F050
820	35x60	0.10	121	97	2.5	K05400821_PM0E060
1000	40x60	0.10	110	90	3.1	K05400102_PM0F060
1500	40X97	0.10	99	68	5.8	K05400152_PM0F097
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 105°C	PART NUMBER termination digit excluded
μF	mm	MAX 100 Hz 20°C	TYP m Ω 100 Hz 20°C	TYP m Ω 10 kHz 20°C	A max 100 Hz 105°C	termination digit excluded
μF 68	mm 22x30	MAX 100 Hz 20°C	TYP m Ω 100 Hz 20°C	TYP m Ω 10 kHz 20°C	A max 100 Hz 105°C	termination digit excluded K05450680_PM0B030
μ ^F 68 100	22x30 25x30	MAX 100 Hz 20°C 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796	TYP m Ω 10 kHz 20°C 1050 710	A max 100 Hz 105°C 0.47 0.5	termination digit excluded K05450680_PM0B030 K05450101_PM0C030
μF 68 100 100	22x30 25x30 30x25	MAX 100 Hz 20°C 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796	TYP m Ω 10 kHz 20°C 1050 710 550	A max 100 Hz 105°C 0.47 0.5 0.7	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025
μF 68 100 100	22x30 25x30 30x25 30x30	MAX 100 Hz 20°C 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796	TYP m Ω 10 kHz 20°C 1050 710 550 550	A max 100 Hz 105°C 0.47 0.5 0.7 0.8	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030
μF 68 100 100 100 150	22x30 25x30 30x25 30x30 25x40	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 796 660	TYP m Ω 10 kHz 20°C 1050 710 550 550 490	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040
μF 68 100 100 100 150	22x30 25x30 30x25 30x30 25x40 30x30	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030
μF 68 100 100 100 150 150	22x30 25x30 30x25 30x30 25x40 30x30 30x40	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 530	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 380	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040
μF 68 100 100 100 150 150 150 220	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 530 380	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 380 310	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040 K05450151_PM0D040
μF 68 100 100 100 150 150 220 220	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 530 380 360	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 380 310 250	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 0.9	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0D040
μF 68 100 100 100 150 150 220 220 220	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40 35x30	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 660 530 530 380 360 360	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 380 310 250 250	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 0.9	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0D040 K05450221_PM0D040
μF 68 100 100 100 150 150 220 220 220 330	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40 35x30 30x50	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 660 530 530 380 360 360 240	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 380 310 250 250 170	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 0.9 1.1 1.0 1.25	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0D040 K05450221_PM0E030 K05450331_PM0D050
μF 68 100 100 100 150 150 220 220 220 330 330	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40 35x30 30x50 35x40	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 380 360 360 240 240	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 310 250 250 170 170	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 0.9 1.1 1.0 1.25 1.3	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0D040 K05450221_PM0E030 K05450331_PM0D050 K05450331_PM0D050
μF 68 100 100 100 150 150 220 220 220 330 330 330	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40 35x30 35x30 35x40 35x50	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 380 360 360 240 240 240	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 310 250 250 170 170	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 0.9 1.1 1.0 1.25 1.3 1.4	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0E030 K05450331_PM0E050 K05450331_PM0E040 K05450331_PM0E050
μF 68 100 100 100 150 150 220 220 220 330 330 330 470	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40 35x30 35x40 35x50 35x50	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 380 360 240 240 240 170	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 380 310 250 250 170 170 170 125	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 0.9 1.1 1.0 1.25 1.3 1.4 1.8	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0E030 K05450331_PM0E030 K05450331_PM0E050 K05450331_PM0E050
μF 68 100 100 150 150 220 220 220 330 330 330 470 680	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40 35x30 35x30 35x50 35x50 35x50	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 380 360 240 240 240 170 160	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 310 250 250 170 170 170 125 116	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 0.9 1.1 1.0 1.25 1.3 1.4 1.8 2.1	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0E030 K05450331_PM0E030 K05450331_PM0E050 K05450331_PM0E050 K05450471_PM0E050 K05450471_PM0E050
μF 68 100 100 150 150 220 220 220 330 330 330 470 680 680	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40 35x30 35x50 35x50 35x50 35x60	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 380 360 240 240 240 170 160 158	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 380 310 250 250 170 170 170 125 116 110	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 0.9 1.1 1.0 1.25 1.3 1.4 1.8 2.1 2.2	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0D030 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0E030 K05450331_PM0E030 K05450331_PM0E050 K05450331_PM0E050 K05450331_PM0E050 K05450471_PM0E050 K05450681_PM0E060
μF 68 100 100 150 150 220 220 220 330 330 470 680 680 820	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40 35x30 35x30 35x50 35x50 35x50	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 380 360 240 240 240 170 160 158 125	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 310 250 250 170 170 170 125 116 110 100	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 1.1 1.0 1.25 1.3 1.4 1.8 2.1 2.2 2.3	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0C040 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0E030 K05450331_PM0E030 K05450331_PM0E050 K05450331_PM0E050 K05450471_PM0E050 K05450681_PM0E060 K05450681_PM0E060
μF 68 100 100 150 150 220 220 220 330 330 330 470 680 680	22x30 25x30 30x25 30x30 25x40 30x30 30x40 25x50 30x40 35x30 35x50 35x50 35x50 35x60	MAX 100 Hz 20°C 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	TYP m Ω 100 Hz 20°C 1405 796 796 796 660 530 380 360 240 240 240 170 160 158	TYP m Ω 10 kHz 20°C 1050 710 550 550 490 380 380 310 250 250 170 170 170 125 116 110	A max 100 Hz 105°C 0.47 0.5 0.7 0.8 0.9 0.8 1.0 0.9 1.1 1.0 1.25 1.3 1.4 1.8 2.1 2.2	termination digit excluded K05450680_PM0B030 K05450101_PM0C030 K05450101_PM0D025 K05450101_PM0D030 K05450151_PM0D030 K05450151_PM0D030 K05450151_PM0D040 K05450221_PM0C050 K05450221_PM0E030 K05450331_PM0E030 K05450331_PM0E050 K05450331_PM0E050 K05450331_PM0E050 K05450471_PM0E050 K05450681_PM0E060

RATED VOLTAGE VDC

400V

RATED VOLTAGE VDC



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 105°C	PART NUMBER termination digit excluded
68	25x30	0.10	1490	1070	0.42	K05500680 PM0C030
100	30x30	0.10	935	620	0.55	K05500101_PM0D030
150	30x40	0.10	620	410	0.75	K05500151_PM0D040
180	30x50	0.10	512	340	0.90	K05500181_PM0D050
220	35x40	0.10	455	295	0.95	K05500221_PM0E040
270	35x50	0.11	320	214	1.60	K05500271_PM0E050
330	35x50	0.11	296	203	1.65	K05500331_PM0E050
330	35x60	0.11	296	203	1.78	K05500331_PM0E060
330	40x50	0.11	296	203	1.80	K05500331_PM0F050
470	40x60	0.13	211	156	2.00	K05500471_PM0F060

RATED VOLTAGE VDC

