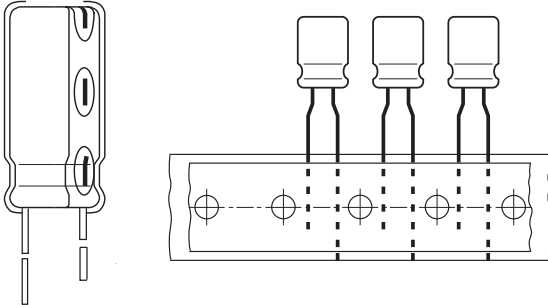


Aluminum Capacitors Radial Style



Component outlines.

FEATURES

- Polarized Aluminum electrolytic capacitor
- High C•U product
- Very small dimensions
- Long lifetime
- Extended temperature range: 105 °C

APPLICATIONS

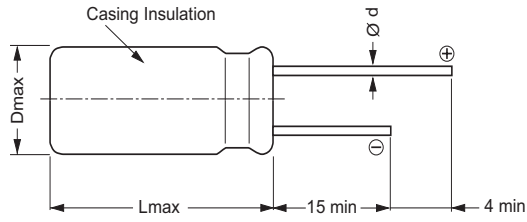
- General uses, industrial electronics, automotive electronics, audio / video systems
- Smoothing, filtering, coupling, decoupling, timing elements
- Little space requirement
- Portable and mobile units

QUICK REFERENCE DATA			
DESCRIPTION	UNIT	VALUE	
Nominal case size (ØD × L)	mm	5 x 11 to 8 x 11.5	10 x 12.5 to 18 x 40
Rated capacitance range C _R	µF	2.2 to 22000	
Capacitance tolerance	%	± 20	
Rated voltage range	V	6.3 to 100	160 to 350 400, 450
Category temperature range	°C	- 55 to + 105	- 40 to + 105 - 25 to + 105
Endurance test at upper category temp.	h	1000	2000
Useful life at 105°C and I _R applied	h	1500	2500
Useful life at 85°C and I _R applied	h	6000	10000
Useful life at 40°C and I _R applied	h	140000	230000
Failure rate	10 ⁻⁹ /h	≤ 45	
Based on sectional specification		IEC 60384-4 / EN 130300	
Climatic category IEC 60068		55 /105/56	40/105/56 25/105/56

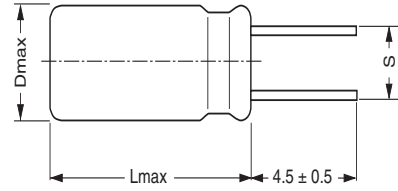
SELECTION CHART FOR C _R , U _R AND RELEVANT NOMINAL CASE SIZES (ØD x L in mm)														
C _R (µF)	RATED VOLTAGE [V]													
	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450
2.2	-	-	-	-	-	-	-	5 x 11	-	-	6.3 x 11	8 x 11.5	8 x 11.5	10 x 12.5
3.3	-	-	-	-	-	-	-	5 x 11	-	6.3 x 11	8 x 11.5	8 x 11.5	10 x 12.5	10 x 16
4.7	-	-	-	-	-	-	-	5 x 11	6.3 x 11	8 x 11.5	8 x 11.5	10 x 12.5	10 x 12.5	10 x 16
6.8	-	-	-	-	-	-	-	5 x 11	8 x 11.5	10 x 12.5	10 x 12.5	10 x 16	10 x 16	10 x 20
10	-	-	-	-	-	-	-	5 x 11	10 x 12.5	10 x 12.5	10 x 12.5	10 x 16	10 x 20	13 x 20
15	-	-	-	-	-	-	5 x 11	6.3 x 11	10 x 16	10 x 16	10 x 16	13 x 20	13 x 20	13 x 25
22	-	-	-	-	-	-	5 x 11	6.3 x 11	10 x 16	10 x 16	10 x 20	13 x 20	13 x 20	16 x 25
33	-	-	-	-	-	5 x 11	6.3 x 11	8 x 11.5	13 x 20	10 x 20	13 x 20	13 x 25	16 x 25	16 x 31.5
47	-	-	-	-	5 x 11	-	6.3 x 11	10 x 12.5	13 x 25	13 x 20	13 x 25	16 x 25	16 x 31.5	16 x 35.5
68	-	-	-	5 x 11	5 x 11	6.3 x 11	8 x 11.5	8 x 11.5	10 x 16	13 x 25	-	16 x 25	16 x 31.5	18 x 35.5
100	-	-	5 x 11	-	6.3 x 11	8 x 11.5	8 x 11.5	10 x 20	16 x 25	16 x 25	16 x 31.5	-	-	-
150	-	5 x 11	-	6.3 x 11	8 x 11.5	10 x 12.5	10 x 12.5	13 x 20	16 x 25	16 x 35.5	18 x 35.5	-	-	-
220	-	5 x 11	6.3 x 11	8 x 11.5	8 x 11.5	10 x 12.5	10 x 16	13 x 25	16 x 31.5	18 x 35.5	-	-	-	-
330	-	6.3 x 11	8 x 11.5	8 x 11.5	10 x 12.5	10 x 16	10 x 20	13 x 25	18 x 35.5	-	-	-	-	-
470	-	6.3 x 11	8 x 11.5	10 x 12.5	10 x 16	10 x 20	13 x 20	16 x 25	-	-	-	-	-	-
680	8 x 11.5	10 x 12.5	10 x 12.5	10 x 16	13 x 16	13 x 20	13 x 25	16 x 31.5	-	-	-	-	-	-
1000	8 x 11.5	10 x 12.5	10 x 16	10 x 20	13 x 20	13 x 25	16 x 25	18 x 40	-	-	-	-	-	-
1500	10 x 16	10 x 16	13 x 16	13 x 20	-	16 x 25	16 x 35.5	-	-	-	-	-	-	-
2200	10 x 20	10 x 20	13 x 20	13 x 25	16 x 25	16 x 35.5	-	-	-	-	-	-	-	-
3300	13 x 16	13 x 20	13 x 25	16 x 25	16 x 35.5	18 x 35.5	-	-	-	-	-	-	-	-
4700	13 x 20	13 x 25	16 x 25	16 x 31.5	18 x 35.5	-	-	-	-	-	-	-	-	-
6800	13 x 25	16 x 25	16 x 31.5	18 x 35.5	-	-	-	-	-	-	-	-	-	-
1000	16 x 25	16 x 35.5	18 x 35.5	-	-	-	-	-	-	-	-	-	-	-
1500	16 x 35.5	18 x 35.5	-	-	-	-	-	-	-	-	-	-	-	-
2200	18 x 40	-	-	-	-	-	-	-	-	-	-	-	-	-

± 10 % Capacitance Tolerance on request

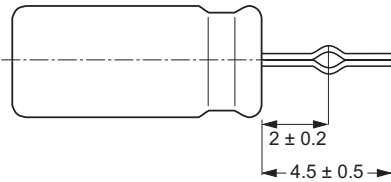
DIMENSIONS in millimeters **AND AVAILABLE FORMS**



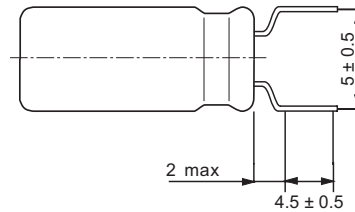
5 ≤ ØD ≤ 18 Long leads EKB 00...



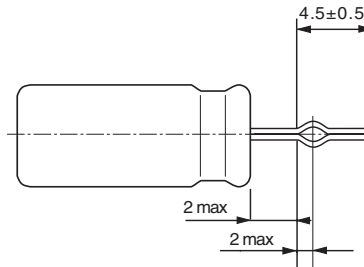
5 ≤ ØD ≤ 18 Shortened leads EKB 05...
(S = 2 / 2.5 / 3.5 / 5 / 7.5mm)



10 ≤ ØD ≤ 18 Leads shortened and formed EKB 06...
(S = 5 / 7.5 mm)



5 ≤ ØD ≤ 8 Leads bent open, shortened EKB 09...
(S = 5 mm)



5 ≤ ØD ≤ 8 Leads bent open, shortened and formed EKB 06...
(S = 5mm)

Leads are solder-coated steel
Safety vent for ØD ≥ 8 mm

RADIAL STYLE: DIMENSIONS in millimeters			
NOMINAL CASE SIZE ØD x L	MAXIMUM SIZE D _{MAX.} x L _{MAX.}	LEAD Ød ± 0.05	LEAD SPACING S ± 0.05
5 x 11	5.5 x 12.0	0.5	2.0
6.3 x 11	6.8 x 12.0	0.5	2.5
8 x 11.5	8.5 x 12.5	0.6	3.5
10 x 12.5	10.5 x 14.5	0.6	5.0
10 x 16	10.5 x 18.0	0.6	5.0
10 x 20	10.5 x 22.0	0.6	5.0
13 x 16	13.5 x 18.0	0.6	5.0
13 x 20	13.5 x 22.0	0.6	5.0
13 x 25	13.5 x 27.0	0.6	5.0
16 x 25	16.5 x 27.0	0.8	7.5
16 x 31.5	16.5 x 33.5	0.8	7.5
18 x 35.5	16.5 x 37.5	0.8	7.5
16 x 40	16.5 x 42.0	0.8	7.5
18 x 35.5	18.5 x 37.5	0.8	7.5
18 x 40	18.5 x 42.0	0.8	7.5



Aluminum Capacitors
Radial Type

Vishay Roederstein

ELECTRICAL DATA	
SYMBOL	DESCRIPTION
C _R	rated capacitance at 120 Hz
U _R	rated voltage
tan δ	max. dissipation factor at 120 Hz
R _{ESR}	max. equivalent series resistance at 120 Hz
I _R	rated alternating current (rms) at 120 Hz and upper category temperature

Note

- Unless otherwise specified, all electrical values at T_a = 20 °C, P = 80 to 120 kPa, RH = 45 to 75%.

ORDERING EXAMPLE

EKB 100μF / 35V, ± 20 %, size: 6.3mm x 11mm

Leads: Long - Ordering code: EKB 00BA310F00K

Leads: Short - Ordering code: EKB 05...

Leads: Bent open, shortened - Ordering code: EKB 09....

Leads: Bent open, shortened and formed - Ordering code: EUB 06...

EUB 06...

The 14th place (□), not indicated in the following table, is an inter-company code and is not relevant to your order.

ELECTRICAL DATA AND ORDERING INFORMATION							
U _R (V)	C _R 120 Hz (μF)	NOMINAL CASE SIZE ∅ x L (mm)	Tan δ 120 Hz	R _{ESR} 120 Hz (Ω)	I _R 120 Hz/105 °C (mA)	WEIGHT (g)	CATALOG NUMBER
6.3	680	8 x 11.5	0.28	0.55	338	1.1	EKB00PB368B00□
	1000	8 x 11.5	0.25	0.37	410	1.1	EKB00PB410B00□
	1500	10 x 16	0.29	0.26	575	2.0	EKB00DD415B00□
	2200	10 x 20	0.30	0.18	726	2.5	EKB00DE422B00□
	3300	13 x 16	0.33	0.13	922	3.0	EKB00GD433B00□
	4700	13 x 20	0.55	0.10	1149	3.8	EKB00GE447B00□
	6800	13 x 25	0.40	0.08	1406	4.5	EKB00GG468B00□
	10000	16 x 25	0.46	0.06	1732	7.0	EKB00JG510B00□
	15000	16 x 35.5	0.56	0.05	2161	11.0	EKB00JL515B00□
	22000	18 x 40	0.70	0.04	2586	16.0	EKB00KK522B00□
10	150	5 x 11	0.24	2.12	129	0.5	EKB00AA315C00□
	220	5 x 11	0.24	1.45	156	0.5	EKB00AA322C00□
	330	6.3 x 11	0.24	1.00	220	0.8	EKB00BA333C00□
	470	6.3 x 11	0.24	0.68	262	0.8	EKB00BA347C00□
	680	10 x 12.5	0.24	0.47	433	1.5	EKB00DC368C00□
	1000	10 x 12.5	0.24	0.32	525	1.5	EKB00DC410C00□
	1500	10 x 16	0.25	0.22	604	2.0	EKB00DD415C00□
	2200	10 x 20	0.26	0.16	759	2.5	EKB00DE422C00□
	3300	13 x 20	0.29	0.12	1043	3.8	EKB00GE433C00□
	4700	13 x 25	0.31	0.09	1302	4.5	EKB00GG447C00□
	6800	16 x 25	0.36	0.07	1613	7.0	EKB00JG468C00□
	10000	16 x 35.5	0.42	0.06	2044	11.0	EKB00JL510C00□
15000	18 x 35.5	0.52	0.05	2369	13.0	EKB00KL515C00□	
16	100	5 x 11	0.20	2.65	114	0.5	EKB00AA310D00□
	220	6.3 x 11	0.20	1.21	194	0.8	EKB00BA322D00□
	330	8 x 11.5	0.20	0.80	280	1.1	EKB00PB333D00□
	470	8 x 11.5	0.20	0.56	334	1.1	EKB00PB347D00□
	680	10 x 12.5	0.20	0.39	467	1.5	EKB00DC368D00□
	1000	10 x 16	0.20	0.27	621	2.0	EKB00DD410D00□
	1500	13 x 16	0.21	0.19	777	3.0	EKB00GD415D00□
	2200	13 x 20	0.22	0.13	963	3.8	EKB00GE422D00□
	3300	13 x 25	0.24	0.10	1220	4.5	EKB00GG433D00□
	4700	16 x 25	0.27	0.08	1540	7.0	EKB00JG447D00□
	6800	16 x 31.5	0.32	0.06	1864	9.0	EKB00JS468D00□
	10000	16 x 35.5	0.38	0.05	2294	13.0	EKB00KL510D00□



ELECTRICAL DATA AND ORDERING INFORMATION							
U _R (V)	C _R 120 Hz (μF)	NOMINAL CASE SIZE ∅D x L (mm)	Tan δ 120 Hz	R _{ESR} 120 Hz (Ω)	I _R 120 Hz/105 °C (mA)	WEIGHT (g)	CATALOG NUMBER
25	68	5 x 11	0.16	3.12	103	0.5	EKB00AA268E00□
	150	6.3 x 11	0.16	1.42	175	0.8	EKB00BA315E00□
	220	8 x 11.5	0.16	0.97	251	1.1	EKB00PB322E00□
	330	8 x 11.5	0.16	0.64	307	1.1	EKB00PB333E00□
	470	10 x 12.5	0.16	0.45	426	1.5	EKB00DC347E00□
	680	10 x 16	0.16	0.31	561	2.0	EKB00DD368E00□
	1000	10 x 20	0.16	0.21	742	2.5	EKB00DE410E00□
	1500	13 x 20	0.17	0.15	901	3.8	EKB00GE415E00□
	2200	13 x 25	0.18	0.11	1113	4.5	EKB00GG422E00□
	3300	16 x 25	0.20	0.09	1426	7.0	EKB00JG433E00□
	4700	16 x 31.5	0.23	0.07	1767	9.0	EKB00JS447E00□
	6800	18 x 35.5	0.28	0.06	2184	13.0	EKB00KL468E00□
35	47	5 x 11	0.14	3.95	90	0.5	EKB00AA247F00□
	68	6.3 x 11	0.14	2.73	125	0.8	EKB00BA268F00□
	100	6.3 x 11	0.14	1.86	151	0.8	EKB00BA310F00□
	150	8 x 11.5	0.14	1.24	218	1.1	EKB00PB215F00□
	220	8 x 11.5	0.14	0.85	264	1.1	EKB00PB322F00□
	330	10 x 12.5	0.14	0.56	376	1.5	EKB00DC333F00□
	470	10 x 16	0.14	0.40	491	2.0	EKB00DD347F00□
	680	13 x 16	0.14	0.27	698	3.0	EKB00GD368F00□
	1000	13 x 20	0.14	0.19	918	3.8	EKB00GE410F00□
	2200	16 x 25	0.16	0.10	1276	7.0	EKB00JG422F00□
	3300	16 x 35.5	0.19	0.08	1685	11.0	EKB00JL433F00□
	4700	18 x 35.5	0.21	0.06	2041	13.0	EKB00KL447F00□
50	33	5 x 11	0.12	4.83	86	0.5	EKB00AA233H00□
	68	8 x 11.5	0.12	2.34	167	1.1	EKB00PB268H00□
	100	8 x 11.5	0.12	1.59	202	1.1	EKB00PB310H00□
	150	10 x 12.5	0.12	1.06	287	1.5	EKB00DC315H00□
	220	10 x 12.5	0.12	0.72	348	1.5	EKB00DC322H00□
	330	10 x 16	0.12	0.48	467	2.0	EKB00DD333H00□
	470	10 x 20	0.12	0.34	608	2.5	EKB00DE347H00□
	680	13 x 20	0.12	0.24	858	3.8	EKB00GE368H00□
	1000	13 x 25	0.12	0.19	1135	4.5	EKB00GG410H00□
	1500	16 x 25	0.13	0.12	1360	7.0	EKB00JG415H00□
	2200	16 x 35.5	0.14	0.09	1573	11.0	EKB00JL422H00□
	3300	18 x 35.5	0.17	0.07	1924	13	EKB00KL433H00□
63	15	5 x 11	0.10	8.85	58	0.5	EKB00AA215J00□
	22	5 x 11	0.10	6.03	70	0.5	EKB00AA222J00□
	33	6.3 x 11	0.10	4.02	98	0.8	EKB00BA233J00□
	47	6.3 x 11	0.10	2.82	117	0.8	EKB00BA247J00□
	68	8 x 11.5	0.10	1.95	167	1.1	EKB00PB268J00□
	100	8 x 11.5	0.10	1.33	202	1.1	EKB00PB310J00□
	150	10 x 12.5	0.10	0.89	287	1.5	EKB00DC315J00□
	220	10 x 16	0.10	0.61	381	2.0	EKB00DD322J00□
	330	10 x 20	0.10	0.41	509	2.5	EKB00DE333J00□
	470	13 x 20	0.10	0.29	714	3.8	EKB00GE347J00□
	680	13 x 25	0.10	0.20	936	4.5	EKB00GG368J00□
	1000	16 x 25	0.10	0.14	1259	7.0	EKB00JG410J00□
1500	16 x 35.5	0.11	0.10	1561	11.0	EKB00JL415J00□	
100	2.2	5 x 11	0.08	48.25	24	0.5	EKB00AA122L00□
	3.3	5 x 11	0.08	32.17	29	0.5	EKB00AA133L00□
	4.7	5 x 11	0.08	22.59	35	0.5	EKB00AA147L00□
	6.8	5 x 11	0.08	15.61	42	0.5	EKB00AA168L00□
	10	5 x 11	0.08	10.62	51	0.5	EKB00AA210L00□
	15	6.3 x 11	0.08	7.08	72	0.8	EKB00BA215L00□
	22	6.3 x 11	0.08	4.83	87	0.8	EKB00BA215L00□
	33	8 x 11.5	0.08	3.22	125	1.1	EKB00BA233L00□
	47	10 x 12.5	0.08	2.26	174	1.5	EKB00DC247L00□
	68	10 x 16	0.08	1.56	229	2.0	EKB00DD268L00□
	100	10 x 20	0.08	1.06	303	2.5	EKB00DE310L00□
	150	13 x 20	0.08	0.71	435	3.8	EKB00GE315L00□
	220	13 x 25	0.08	0.48	575	4.5	EKB00GG322L00□
	330	13 x 25	0.08	0.32	704	4.5	EKB00GG333L00□
	470	16 x 25	0.08	0.23	932	7.0	EKB00JG347L00□
	680	16 x 31.5	0.08	0.16	1227	9.0	EKB00JS368L00□
1000	18 x 40	0.08	0.11	1758	16.0	EKB00KK410L00□	



Aluminum Capacitors
Radial Type

Vishay Roederstein

ELECTRICAL DATA AND ORDERING INFORMATION							
U _R (V)	C _R 120 Hz (μF)	NOMINAL CASE SIZE ØD x L (mm)	Tan δ 120 Hz	R _{ESR} 120 Hz (Ω)	I _R 120 Hz/105 °C (mA)	WEIGHT (g)	CATALOG NUMBER
160	4.7	6.3 x 11	0.15	42.35	34	0.8	EKB00BA147M00□
	6.8	8 x 11.5	0.15	29.27	49	1.1	EKB00PB168M00□
	10	10 x 12.5	0.15	19.90	68	1.5	EKB00DC210M00□
	15	10 x 16	0.15	13.27	92	2.0	EKB00DD215M00□
	22	10 x 16	0.15	9.05	111	2.0	EKB00DD222M00□
	33	10 x 20	0.15	6.03	149	2.5	EKB00DE233M00□
	47	13 x 20	0.15	4.24	208	3.8	EKB00GE247M00□
	68	13 x 25	0.15	2.93	273	4.5	EKB00GG268M00□
	100	13 x 25	0.15	1.99	331	4.5	EKB00GG310M00□
	150	16 x 25	0.15	1.33	450	7.0	EKB00JG315M00□
	220	16 x 31.5	0.15	0.91	596	9.0	EKB00JS322M00□
	330	18 x 35.5	0.15	0.61	822	13.0	EKB00KL333M00□
200	3.3	6.3 x 11.0	0.15	60.32	29	0.8	EKB00BA133S00□
	4.7	8.0 x 11.5	0.15	42.35	40	1.1	EKB00PB147S00□
	6.8	10.0 x 12.5	0.15	29.27	56	1.5	EKB00DC168S00□
	10	10.0 x 12.5	0.15	19.90	68	1.5	EKB00DC210S00□
	15	10.0 x 16.0	0.15	13.27	92	2.0	EKB00DD215S00□
	22	10.0 x 16.0	0.15	9.05	111	2.0	EKB00DD222S00□
	33	10.0 x 20.0	0.15	6.03	149	2.5	EKB00DE233S00□
	47	13.0 x 20.0	0.15	4.24	208	3.8	EKB00GE247S00□
	100	16.0 x 25.0	0.15	1.99	368	7.0	EKB00JG310S00□
	150	16.0 x 35.5	0.15	1.33	517	11.0	EKB00JL315S00□
	220	18.0 x 35.5	0.15	0.91	671	13.0	EKB00KL322S00□
	250	2.2	6.3 X 11.0	0.15	90.47	23	0.8
3.3		8.0 X 11.5	0.15	60.32	34	1.1	EKB00PB133N00□
4.7		8.0 X 11.5	0.15	42.35	40	1.1	EKB00PB147N00□
6.8		10.0 X 12.5	0.15	29.27	56	1.5	EKB00DC168N00□
10		10.0 X 12.5	0.15	19.90	68	1.5	EKB00DC210N00□
15		10.0 X 16.0	0.15	13.27	92	2.0	EKB00DD215N00□
22		10.0 X 20.0	0.15	9.05	121	2.5	EKB00DE222N00□
33		13.0 X 20.0	0.15	6.03	175	3.8	EKB00GE233N00□
47		13.0 X 25.0	0.15	4.24	227	4.5	EKB00GG247N00□
68		16.0 X 25.0	0.15	2.93	303	7.0	EKB00JG268N00□
100		16.0 X 31.5	0.15	1.99	402	9.0	EKB00JS310N00□
150		18 X 35.5	0.15	1.33	554	13.0	EKB00KL315N00□
350	2.2	8.0 X 11.5	0.20	120.63	28	1.1	EKB00PB122O00□
	3.3	8.0 X 11.5	0.20	80.45	34	1.1	EKB00PB133O00□
	4.7	10.0 X 12.5	0.20	56.47	47	1.5	EKB00DC147O00□
	6.8	10.0 X 16.0	0.20	39.03	62	2.0	EKB00DD168O00□
	10	10.0 X 16.0	0.20	26.54	75	2.0	EKB00DD210O00□
	15	10.0 X 20.0	0.20	17.69	108	2.5	EKB00DE215O00□
	22	13.0 X 20.0	0.20	12.06	143	3.8	EKB00GE222O00□
	33	13.0 X 25.0	0.20	8.04	190	4.5	EKB00GG233O00□
	47	16.0 X 25.0	0.20	5.65	252	7.0	EKB00JG247O00□
	68	16.0 X 31.5	0.20	3.90	332	9.0	EKB00JS268O00□
400	2.2	8.0 X 11.5	0.20	120.63	28	1.1	EKB00PB122X00□
	3.3	10.0 X 12.5	0.20	80.45	39	1.5	EKB00DC133X00□
	4.7	10.0 X 12.5	0.20	56.47	47	1.5	EKB00DC147X00□
	6.8	10.0 X 16.0	0.20	39.03	62	2.0	EKB00DD168X00□
	10	10.0 X 20.0	0.20	26.54	82	2.5	EKB00DE210X00□
	15	13.0 X 20.0	0.20	17.69	118	3.8	EKB00GE215X00□
	22	13.0 X 25.0	0.20	12.06	155	4.5	EKB00GG222X00□
	33	16.0 X 25.0	0.20	8.04	211	7.0	EKB00JG233X00□
	47	16.0 X 31.5	0.20	5.65	276	9.0	EKB00JS247X00□
	68	18.0 X 35.5	0.20	3.90	373	13.0	EKB00KL268X00□
450	2.2	10.0 X 12.5	0.20	120.63	25	1.5	EKB00DC122P00□
	3.3	10.0 X 16.0	0.20	80.45	33	2.0	EKB00DD133P00□
	4.7	10.0 X 16.0	0.20	56.47	39	2.0	EKB00DD147P00□
	6.8	10.0 X 20.0	0.20	39.03	52	2.5	EKB00DE168P00□
	10	13.0 X 20.0	0.20	26.54	73	3.8	EKB00GE210P00□
	15	13.0 X 25.0	0.20	17.69	98	4.5	EKB00GG215P00□
	22	16.0 X 25.0	0.20	12.06	132	7.0	EKB00JG222P00□
	33	16.0 X 31.5	0.20	8.04	176	9.0	EKB00JS233P00□
47	16.0 X 35.5	0.20	5.65	221	11.0	EKB00JL247P00□	

LOW TEMPERATURE BEHAVIOUR

IMPEDANCE RATIO Z(T2) / Z(T1)		RATED VOLTAGE (V)								
T2/T1	6.3	10	16	25	35	50~100	160	200~350	400	450
- 25 / - 20 °C	5	4	3	2	2	2	3	4	6	10
- 40 / + 20 °C	10	8	6	4	3	3	4	8	-	-

LEAKAGE CURRENT

Formula for calculation of the maximum leakage current for acceptance tests I_L :

[Test conditions: U_R , 20 °C, 2 minutes ($U_R \leq 100$ V) / 5 minutes $U_R > 100$ V]

$$I_{L2} [\mu A] \leq 0.01 \cdot C_R [\mu F] \cdot U_R [V] \quad \text{or } 3\mu A \quad \text{for } U_R \leq 100 \text{ V whichever is greater}$$

$$I_{L5} [\mu A] \leq 0.02 \cdot C_R [\mu F] \cdot U_R [V] \quad +15 \mu A \quad \text{for } U_R > 100 \text{ V}$$