RKR

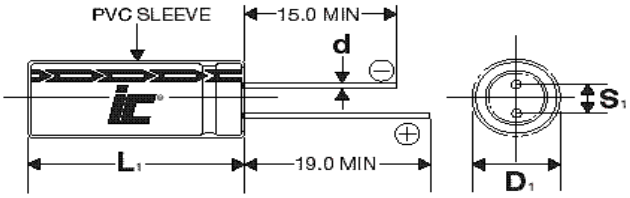
Radial Lead Aluminum Electrolytic Capacitors

+85°C Low Leakage

FEATURES	Small size – Low Leakage Current
APPLICATIONS	Inverters – DC link – AC/DC motor controls – Solar inverters

Operating Temperature Range		**-40°C to +85°C**							
Capacitance Tolerance		**±20% at 120 Hz, 20°C**							
Surge Voltage	**WVDC**	**6.3**	**10**	**16**	**25**	**35**	**50**	**63**	**100**
	SVDC	7.9	13	20	32	44	63	79	125
Dissipation Factor	**WVDC**	**6.3**	**10**	**16**	**25**	**35**	**50**	**63**	**100**
	Tan δ	.28	.24	.2	.16	.14	.12	.12	.1
Leakage Current		**2 Minutes**							
		.002CV or 0.4uA, Whichever is greater							
Low Temperature Stability Impedance Ratio (120 Hz)	**WVDC**	**6.3**	**10**	**16**	**25**	**35**	**50**	**63**	**100**
	-25°C to +20°C	4	3	2	1.5	1.5	1.5	1.5	1.5
	-40°C to +20°C	8	6	4	4	3	3	3	3
Load Life		**2000 hours at +85°C with rated WVDC**							
		Capacitance Change	≤20% of initial measured value						
		Dissipation Factor	≤200% of maximum specified value						
		Leakage Current	≥100% of maximum specified value						
Shelf Life		**1000 hours at 105°C with no voltage applied**							
		Capacitance Change	≤20% initial measured value						
		Dissipation Factor	≤200% of maximum specified value						
		Leakage Current	≥100% of maximum specified value						

Ripple Current Multipliers		**Frequency (Hz)**			
	Capacitance	**60**	**120**	**1k**	**10k+**
	0.1 to 22	0.8	1	1.5	1.7
	33 to 100	0.8	1	1.4	1.5
	220 to 2200	0.8	1	1.3	1.35



D	5	6.3	8	10	12.5	16
S	2.0	2.5	3.5	5.0	5.0	7.5
d	0.5	0.5	0.6	0.6	0.6	0.8

L_1=L+1.5mm Max. (L<20 mm) mm
L_1=L+2mm Max. (L≥20 mm)
D_1=D+0.5mm Max.
S_1=S+0.5 mm

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Cap (uF)	WVDC	IC PART #	Maximum ESR (Ω) 120 Hz 20°C	Ripple current (mA) 120Hz, 85°C	Dimensions DxL (mm)
0.1	63	104RKR063MDBB	1990.45	8	5x11
0.22	63	224RKR063MDBB	904.75	9	5x11
0.47	63	474RKR063MDBB	423.50	10	5x11
1	63	105RKR063MDBB	199.04	17	5x11
2.2	63	225RKR063MDBB	90.47	26	5x11
2.2	100	225RKR100MEBB	75.40	30	6.3x11
3.3	63	335RKR063MDBB	60.32	32	5x11
3.3	100	335RKR100MEBB	50.26	36	6.3x11
4.7	63	475RKR063MDBB	42.35	40	5x11
4.7	100	475RKR100MEBB	35.29	45	6.3x11
6.8	63	685RKR063MDBB	29.27	45	5x11
6.8	100	685RKR100MEBB	24.39	58	6.3x11
10	50	106RKR050MDBB	19.90	52	5x11
10	63	106RKR063MEBB	19.90	58	6.3x11
10	100	106RKR100MFH	16.59	65	8x11.5
15	25	156RKR025MDBB	27.65	58	5x11
22	25	226RKR025MDBB	18.85	68	5x11
22	63	226RKR063MEBB	9.05	95	6.3x11
22	100	226RKR100MFH	7.54	105	8x11.5
33	25	336RKR025MDBB	12.57	78	5x11
33	50	336RKR050MEBB	6.03	100	6.3x11
33	63	336RKR063MFH	6.03	110	8x11.5
33	100	336RKR100MGU	5.03	125	10x12.5
47	16	476RKR016MDBB	7.06	105	5x11
47	35	476RKR035MEBB	4.94	125	6.3x11
47	63	476RKR063MFH	4.23	152	8x11.5
47	100	476RKR100MGU	3.53	160	10x12.5
68	35	686RKR035MEBB	3.41	140	6.3x11
68	50	686RKR050MFH	2.93	145	8x11.5
68	63	686RKR063MGU	2.93	160	10x12.5

Cap (uF)	WVDC	IC PART #	Maximum ESR (Ω) 120 Hz 20°C	Ripple current (mA) 120Hz, 85°C	Dimensions DxL (mm)
68	100	686RKR100MGBW	2.44	180	10x16
100	10	107RKR010MDBB	3.98	105	5x11
100	16	107RKR016MEBB	3.32	140	6.3x11
100	35	107RKR035MFH	2.32	185	8x11.5
100	50	107RKR050MGU	1.99	220	10x12.5
100	63	107RKR063MGBW	1.99	260	10x16
100	100	107RKR100MTJG	1.66	380	12.5x20
220	6.3	227RKR6R3MEBB	2.11	135	6.3x11
220	16	227RKR016MFH	1.51	225	8x11.5
220	35	227RKR035MGU	1.06	330	10x12.5
220	50	227RKR050MGJG	0.90	380	10x20
220	63	227RKR063MTJG	0.90	440	12.5x20
330	6.3	337RKR6R3MEBB	1.41	165	6.3x11
330	16	337RKR016MFH	1.01	270	8x11.5
330	25	337RKR025MGU	1.26	355	10x12.5
330	35	337RKR035MGBW	0.70	440	10x16
330	50	337RKR050MGJG	0.60	460	10x20
330	63	337RKR063MTJD	0.60	600	12.5x25
470	10	477RKR010MFH	0.85	320	8x11.5
470	16	477RKR016MGU	0.71	410	10x12.5
470	25	477RKR025MGJG	0.88	520	10x20
470	35	477RKR035MTJG	0.49	590	12.5x20
470	50	477RKR050MTJD	0.42	710	12.5x25
680	35	687RKR035MTJG	0.34	620	12.5x20
1000	6.3	108RKR6R3MTJG	0.46	390	10x12.5
1000	10	108RKR010MGJG	0.40	680	10x20
1000	16	108RKR016MTJG	0.33	760	12.5x20
1000	25	108RKR025MTJD	0.41	1020	12.5x25
2200	10	228RKR010MTJG	0.18	860	12.5x20
2200	16	228RKR016MKJD	0.15	1200	16x25

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