

ALUMINUM ELECTROLYTIC CAPACITOR (CD92 RK)

RK FEATURES

- 125°C high temperature, high performance middle and high voltage type.
- $\phi D \geq 8\text{mm}$ with top safety vent construction.
- Ideally suited for automobile electronic equipments, electronic ballast etc.

SPECIFICATIONS

Item	Performance Characteristics					
Rated Working Voltage Range	160V.DC-400V.DC					
Operating Temperature Range	-25°C~+125°C					
Nominal Capacitance Range	1 μ F~220 μ F					
Capacitance Tolerance	$\pm 20\%$ (M · +25°C · 120Hz)					
Leakage Current	C: Nominal Capacitance in μ F; V: Rated Working Voltage in V					
	Voltage(V)	160~400				
	After application of rated voltage 2 minutes $I \leq 0.04CV + 100$ 25°C					
Dissipation Factor (tan δ)	Rated Working Voltage (V)	160	200	250	350	400
	tan δ (MAX)(25°C,120Hz)	0.15	0.15	0.15	0.20	0.20
Temperature Stability	Rated Working Voltage (V)	160	200	250	350	400
	Impedance Ratio(120Hz) Z-25 °C /Z+20°C	3			4	
Load Life	After application of rated working voltage and maximum permissible ripple current specified at +125°C for 1000 hours, capacitors meet the characteristics requirements at +25°C listed below					
	Leakage Current	Less than the initial specified value				
	tan δ	Less than 200% the initial specified value				
	Capacitance Change	Within $\pm 20\%$ of the initial measured value				
Shelf Life	After leaving capacitors under no load at +125°C for 500 hours ,capacitors meet the characteristics listed above					

MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

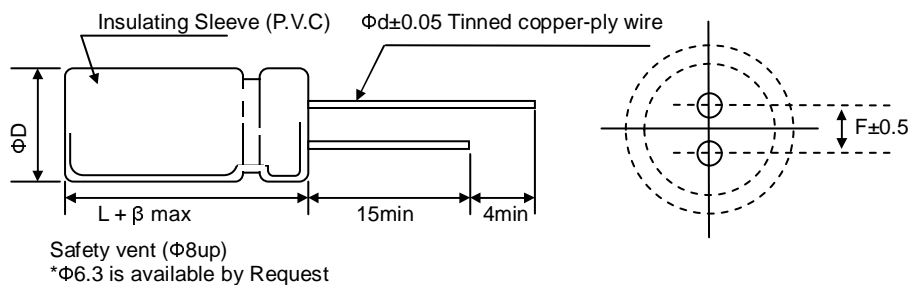
cap(μ F)	Freq(Hz)	50 (60)	100 (120)	1K	10K	100K
1-220		0.8	1	1.3	1.4	1.6

Temperature coefficient

Ambient Temperature (°C)	+125	+105	+85	+70
Factor	1	1.4	1.8	2.2

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CASE SIZE TABLE



β	0.5		1.0			
ΦD	6.3	8	10	12 13	16	18
$F \pm 0.5$	2.5	3.5	5		7.5	
$\Phi d \pm 0.1$	0.5		0.6		0.8	
L	11	12,16	14,17,20	20,25	25,30	30,35,40
α	1.0	L < 17:1.0: L 17:2.0				

DIMENSIONS, RATED VOLTAGE RANGE AND CAPACITANCE

WV/V Cap/ μF	160		200		250		350		400	
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1	6.6X11	16	6.3X11	16	6.3X11	17	8X12	18	8X12	15
1.5	6.3X11	20	6.3X11	20	6.3X11	24	8X12	23	8X12	20
2.2	6.3X11	25	6.3X11	25	8X12	30	8X16 10X14	31	8X16 10X14	25
3.3	8X12		8X12	21	8X12	43	10X17	45	10X17	33
4.7	8X12	38	8X16 10X14	26	10X17	53	10X17	55	10X20	42
6.8	8X16 10X14	42	10X17	32	10X17	69	10X20	73	13X20	51
10	8X16 10X14	48	10X17	43	10X20	90	13X20	95	13X20	67
15	10X20	54	10X20	52	13X20	120	13X25	120	13X25	94
22	10X20	68	10X20	71	13X20	150	16X25	175	16X25	115
33	13X20	86	13X20	100	13X25	200	16X30	200	16X30	155
47	13X20	115	13X25	115	16X25	240	18X30	260	18X30	185
68	16X25	140	16X25	140	16X30	320				
100	16X25	170	16X30	180	18X30	400				
150	18X30	208	18X35	220						
220	18X40	270	18X40	260						

(1) Case Size DxL(mm)

(2) Max allowable ripple current (mA rms +125°C 120Hz)