

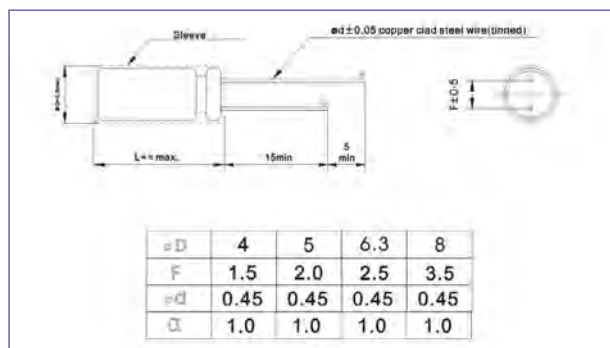
KR2 Miniature Aluminum Electrolytic Capacitors

7mm L, Miniature Capacitors, Series KR2 .

Conventional KR2 is further reduced in size
 Diameter from $\Phi 4$ to $\Phi 8$ and height of 7mm
 Guaranteed 1000 hours at 85°C

Outline Drawing

Unit: mm



Photo

ROSH



Marking color: black print on yellow sleeve

Specifications

No.	Item	Performance											
1	Temperature range (°C)	-40 to +85											
2	Leakage current (μA)	Less than 0.01CV or 3 whichever is larger (after two minutes) C: Rated Capacitance (μF); V: Rated voltage(V) 20°C											
3	Capacitance tolerance (%)	± 20 (20°C, 120Hz)											
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	4	6.3	10	16	25	35	50	63	100	20°C, 120Hz	
		Tan δ (max)	0.35	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08		
5	Low temperature characteristics	Rated voltage (V)	4	6.3	10	16	25	35	50	63	100	120Hz	
		Impedance ratio (max)	$Z_{(-25^\circ C)}/Z_{(+20^\circ C)}$	6	4	3	2	2	2	2	2		2
			$Z_{(-40^\circ C)}/Z_{(+20^\circ C)}$	16	10	8	6	3	3	3	3		3
6	Endurance (85°C) (Applied ripple current)	Test time	1000hours										
		Leakage current	The initial specified value or less										
		Percentage of capacitance change	Within $\pm 20\%$ of initial value										
		Tangent of the loss angle	200% or less of the initial specified value										
7	Shelf life (85°C)	Test time	500hours										
		Leakage current	The initial specified value or less										
		Percentage of capacitance change	Within $\pm 20\%$ of initial value										
		Tangent of the loss angle	200% or less of the initial specified value										
8	Applicable standards	JIS-C-5102 and JIS-C-5141											

Coefficient of Frequency for Ripple Current

Rated voltage (v)	Frequency (Hz)			
	50•60	120	1K	10K•100K
4 to 16	0.80	1.00	1.10	1.20
25 to 35	0.80	1.00	1.50	1.70
50 to 100	0.80	1.00	1.60	1.90

Coefficient of Temperature for Ripple Current

Temperature(°C)	70 or less	85
Coefficient	1.35	1.00

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Dimension: Φ DXL(mm)

Ripple Current: mA/rms at 120Hz, 85°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC Contents μ F	4V		6.3V		10V		16V		25V	
	Φ D×L	mA	Φ D×L	mA	Φ D×L	mA	Φ D×L	mA	Φ D×L	mA
0.1									4X7	2
0.22									4X7	3
0.33									4X7	4.4
0.47									4X7	7.9
1									4X7	11
2.2									4X7	17
3.3									4X7	20
4.7									4X7	22
10							4X7	28	4X7	30
22			4X7	33	4X7	35	5X7*	42	5X7*	50
33	4X7	33	4X7	40	4X7	43	5X7	55	6.3X7	58
47	4X7	38	4X7	42	5X7*	58	6.3X7*	68	6.3X7	71
100	5X7	61	6.3X7*	78	6.3X7	90	6.3X7	92	8X7	125
220	6.3X7	95	6.3X7	120	8X7	140	8X7	146		
330	8X7	154	8X7	160	8X7	165				
470	8X7	160								

V.DC Contents μ F	35V		50V		63V		100V	
	Φ D×L	mA	Φ D×L	mA	Φ D×L	mA	Φ D×L	mA
0.1			4X7	2	4X7	2		
0.22			4X7	3	4X7	3		
0.33			4X7	4	4X7	4.4		
0.47			4X7	5	4X7	7.9		
1			4X7	10	4X7	11	4X7	12
2.2			4X7	15	4X7	17	5X7	20
3.3			4X7	18	4X7	21	6.3X7	30
4.7	4X7	22	5X7*	26	5X7	26	6.3X7	35
10	5X7*	33	6.3X7*	38	6.3X7	40		
22	6.3X7	55	6.3X7	59	8X7	70		
33	8X7*	71	8X7*	76				
47	8X7	83	8X7	88				

Note: Case size in mark of "*" is available to product down size.