Koshin

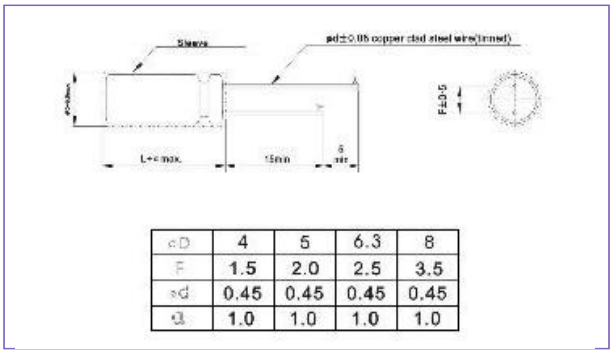
KRJ Miniature Aluminum Electrolytic Capacitors

7mm L, 105℃ Miniature Capacitors, Series KRJ.

Diameter from Φ4 to Φ8 and height of 7mm
Guaranteed 1000 hours at 105℃

ROSH

Outline Drawing Unit: mm



φD	4	5	6.3	8
F	1.5	2.0	2.5	3.5
φd	0.45	0.45	0.45	0.45
α	1.0	1.0	1.0	1.0

Photo

Marking color: black print on yellow sleeve

Specifications

No.	Item	Performance								
1	Temperature range (℃)	-55 to +105								
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℃								
3	Capacitance tolerance (%)	ã20 (20℃,120Hz)								
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	4	6.3	10	16	25	35	50	63	20℃,120Hz
		Tan δ (max)	0.35	0.22	0.19	0.16	0.14	0.12	0.10	0.09	
5	Low temperature characteristics	Rated voltage (V)	4	6.3	10	16	25	35	50	63	120Hz
		Impedance ratio (max) $Z_{(-25℃)}/Z_{(+20℃)}$	7	4	3	2	2	2	2	2	
		Impedance ratio (max) $Z_{(-40℃)}/Z_{(+20℃)}$	15	8	6	4	4	3	3	3	
6	Endurance (105℃) (Applied ripple current)	Test time	1000hours								
		Leakage current	The initial specified value or less								
		Percentage of capacitance change	Within ã20% of initial value								
		Tangent of the loss angle	200% or less of the initial specified value								
7	Max Storage temp (105℃)	Test time	500hours								
		Leakage current	The initial specified value or less								
		Percentage of capacitance change	Within ã20% 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

Frequency (Hz) / Rated voltage (v)	50•60	120	1K	10K•100K
4 to 16	0.95	1.00	1.28	1.39
25 to 35	0.76	1.00	1.27	1.59
50 to 63	0.90	1.00	1.40	2.00

Coefficient of Temperature for Ripple Current

Temperature(℃)	70 or less	85	105
Coefficient	2.10	1.80	1.00

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DIMENSION & PERMISSIBLE RIPPLE CURRENT

Dimension: ΦDXL(mm)
Ripple Current: mA/rms at 120Hz,105℃

V.DC / Contents / μF	4V		6.3V		10V		16V		25V		35V		50V		63V	
	ΦD×L	mA	ΦD×L	mA	ΦD×L	mA	ΦD×L	mA	ΦD×L	mA	ΦD×L	mA	ΦD×L	mA	ΦD×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
2.2													4X7	15	4X7	17
3.3													4X7	18	4X7	21
4.7											4X7	22	5X7*	23	5X7	26
10							4X7	25	4X7	26	5X7*	30	6.3X7*	34	6.3X7	40
22			4X7	31	4X7	32	5X7*	39	5X7*	41	6.3X7	47	6.3X7	53	8X7	70
33	4X7	32	4X7	32	4X7	35	5X7	43	6.3X7	53	8X7*	71	8X7	76		
47	4X7	38	4X7	38	5X7*	47	6.3X7*	59	6.3X7	65	8X7	83	8X7	85		
100	5X7	61	6.3X7*	75	6.3X7	80	6.3X7	90	8X7	125						
220	6.3X7	90	6.3X7	99	8X7	140	8X7	146								
330	8X7	156	8X7	156												

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