

KSJ Miniature Aluminum Electrolytic Capacitors

7mm L, 85°C, Long Life, Series KSJ.

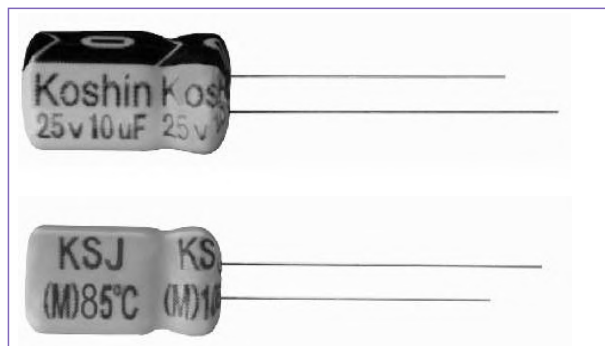
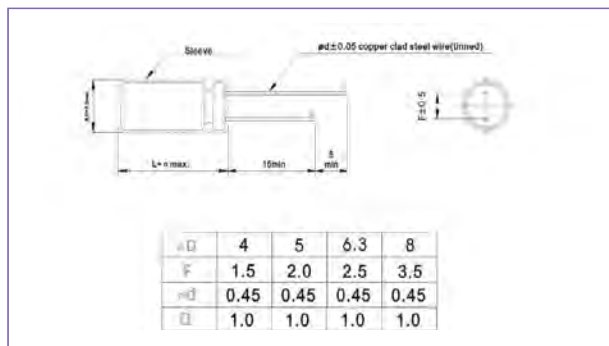
Conventional KSJ is further reduced in size
 Diameter from $\varnothing 4$ to $\varnothing 8$ and height of 7mm
 Guaranteed 2000 hours at 85°C

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	20°C, 120Hz	
		Tan δ (max)	0.25	0.22	0.20	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)	$Z_{(-25^{\circ}\text{C})}/Z_{(+20^{\circ}\text{C})}$	7	4	3	2	2	2	2		2
			$Z_{(-40^{\circ}\text{C})}/Z_{(+20^{\circ}\text{C})}$	15	8	6	4	4	3	3		3
6	Endurance (85°C) (Applied ripple current)	Test time	2000hours									
		Leakage current	The initial specified value or less									
		Percentage of capacitance change	Within ±20% of initial value									
		Tangent of the loss angle	200% or less of the initial specified value									
7	Shelf life (85°C)	Test time	1000hours									
		Leakage current	The initial specified value or less									
		Percentage of capacitance change	Within ±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

Capacitance (μF)	Frequency (Hz)				
	50•60	120	400	1K	50K•100K
CAP ≤ 10	0.80	1.00	1.30	1.45	1.70
10 < CAP ≤ 100	0.80	1.00	1.23	1.36	1.53
100 < CAP	0.80	1.00	1.16	1.25	1.38

Coefficient of Temperature for Ripple Current

Temperature(°C)	45 or less	60	70	85
Coefficient	1.80	1.50	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
4.7									4X7	17
10							4X7	30	4X7	30
									5X7	33
22	4X7	23	4X7	31	4X7	35	4X7	37	5X7	45
							5X7	42	6.3X7	48
33	4X7	26	4X7	32	4X7	40	4X7	45	5X7	52
			5X7	35	5X7	45	5X7	50	6.3X7	60
47	4X7	35	4X7	40	4X7	47	5X7	61	6.3X7	68
			5X7	47	5X7	51	6.3X7	67	8X7	72
68	5X7	55	5X7	55	5X7	60	6.3X7	72	6.3X7	75
					6.3X7	68				
100	5X7	58	5X7	65	5X7	80	6.3X7	95	8X7	115
			6.3X7	75	6.3X7	90	8X7	105		
220	6.3X7	65	6.3X7	90	6.3X7	105				
			8X7	120	8X7	150				
330	6.3X7	90	8X7	120						
470	8X7	120								

V.DC Contents μ F	35V		50V		63V	
	Φ D×L	mA	Φ D×L	mA	Φ D×L	mA
0.1			4X7	1.5	4X7	1.5
0.22			4X7	2.5	4X7	2.5
0.33			4X7	3.5	4X7	3.5
0.47			4X7	5	4X7	6
1			4X7	10	4X7	12
2.2			4X7	19	4X7	19
3.3			4X7	24	4X7	25
4.7	4X7	22	4X7	27	5X7	29
			5X7	29	6.3X7	33
10	4X7	30	5X7	35	6.3X7	40
	5X7	35	6.3X7	38		
22	5X7	50	6.3X7	60	8X7	65
	6.3X7	58	8X7	63		
33	6.3X7	54	8X7	78		
	8X7	68				
47	8X7	80				
68	8X7	85				