

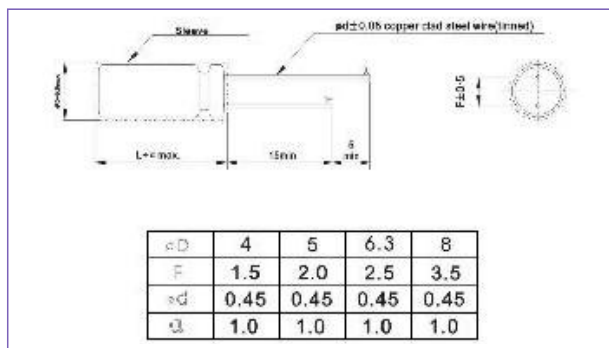
KLJ Miniature Aluminum Electrolytic Capacitors

7mm L, 105°C Miniature Capacitors, Long Life Series KLJ.

Diameter from $\Phi 4$ to $\Phi 8$ and height of 7mm
Guaranteed 2000 hours at 105°C

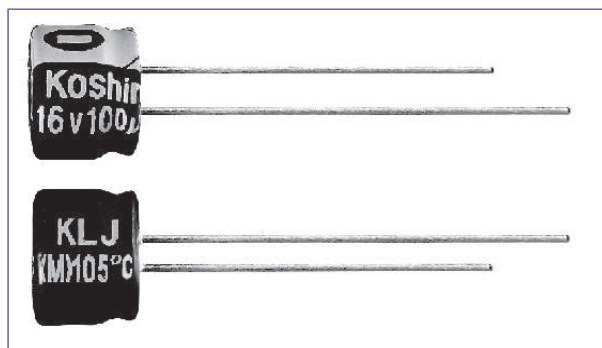
Outline Drawing

Unit: mm



Photo

ROSH



Marking color: black print on yellow sleeve

Specifications

No.	Item	Performance									
1	Temperature range (°C)	-40 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°C									
3	Capacitance tolerance (%)	±20% (20°C, 120Hz)									
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	6.3	10	16	25	35	50	63	20°C, 120Hz	
		Tan δ (max)	0.24	0.20	0.16	0.14	0.12	0.10	0.09		
5	Low temperature characteristics	Rated voltage (V)	6.3	10	16	25	35	50	63	120Hz	
		Impedance ratio (max)	$Z_{(-25^{\circ}\text{C})}/Z_{(+20^{\circ}\text{C})}$	4	3	2	2	2	2		2
6	Endurance (105°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	Max Storage temp (105°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

Frequency (Hz)	50~60	120	1K	10K	50K-100K
CAP ≤ 100	0.80	1.00	1.45	1.65	1.70
100 < CAP ≤ 220	0.80	1.00	1.36	1.48	1.53

Coefficient of Temperature for Ripple Current

Temperature(°C)	45	60	70	85	105
Coefficient	2.10	1.90	1.65	1.40	1.00

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Dimension: Φ DXL(mm)

Ripple Current: mA/rms at 120Hz, 105°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC Contents μ F	6.3V		10V		16V		25V		35V		50V		63V	
	Φ D×L	mA	Φ D×L	mA	Φ D×L	mA	Φ D×L	mA	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	20	4X7	20
3.3											4X7	26	5X7	28
4.7							4X7	17			4X7	27	5X7	29
											5X7	29	6.3X7	33
10					4X7	28	4X7	28	5X7	35	6.3X7	38	6.3X7	40
							5X7	33						
22	4X7	28	4X7	32	4X7	35	5X7	43						
					5X7	42	6.3X7	45	6.3X7	50	8X7	63	8X7	65
33	4X7	32	5X7	48	5X7	50	6.3X7	62	6.3X7	60	8X7	78		
	5X7	35							8X7	68				
47	5X7	47	5X7	51	6.3X7	67	8X7	75	8X7	80				
68	5X7	50	6.3X7	68	6.3X7	70	8X7	80	8X7	85				
					8X7	78								
100	6.3X7	75	6.3X7	80	8X7	110	8X7	115						
			8X7	95										
220	8X7	92	8X7	130										