

KZL Miniature Aluminum Electrolytic Capacitors

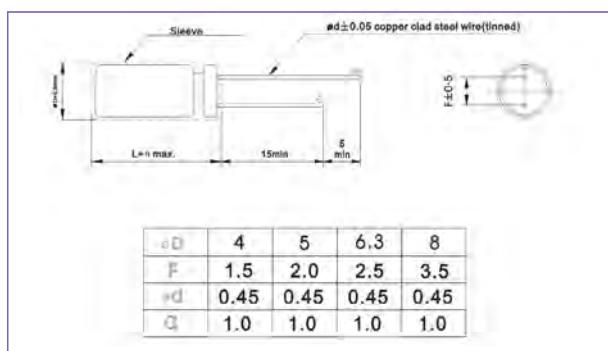
7mm L, 105°C Low Leakage Current Miniature Capacitors, Series KZL.

Diameters from Φ4 to Φ8mm and a height of 7mm

Guaranteed 1000 hours at 105°C

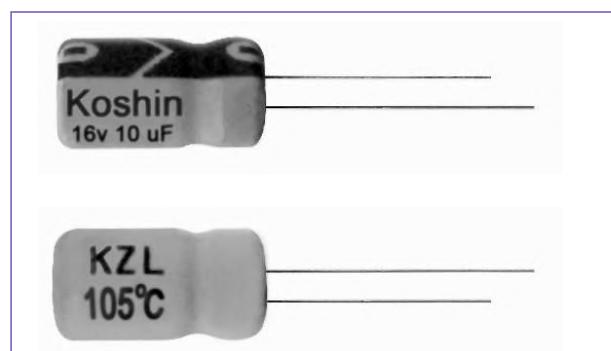
Outline Drawing

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 0.002CV or 0.3 whichever is larger (after two minutes) C: Capacitance(μ F);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
		Tan δ (max)	0.35	0.24	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
		Impedance ratio (max)	Z _(-25°C) /Z _(+20°C)	6	4	3	3	2	2	2
6	Endurance (105°C) (Applied ripple current)	Test time	1000 hours							
		Leakage current	The initial specified value or less							
7	Shelf life (105°C)	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	1K	10K	100K
CAP ≤ 47		0.70	1.00	1.20	1.30	1.45
CAP>47		0.80	1.00	1.10	1.15	1.20

Coefficient of Temperature for Ripple Current

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

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DIMENSION & PERMISSIBLE RIPPLE CURRENT

Dimension: $\Phi \times L$ (mm)

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

V.DC Contents μF	4V		6.3V		10V		16V		25V		35V		50V		63V					
	$\Phi D \times L$	mA	$\Phi D \times L$	mA	$\Phi D \times L$	mA	$\Phi D \times L$	mA	$\Phi D \times L$	mA										
0.1															4X7	3	4X7	3		
0.22															4X7	5	4X7	5		
0.33															4X7	6	4X7	6		
0.47															4X7	7	4X7	7		
1															4X7	10	4X7	10		
2.2															4X7	16	5X7	19		
3.3															4X7	18	4X7	20	6.3X7	29
4.7										4X7	19	5X7	21		6.3X7	24	6.3X7	36		
10								4X7	27	5X7	29	6.3X7	32	8X7	40					
22							4X7	36	4X7	40	6.3X7	44	6.3X7	49						
33	4X7	33	4X7	41	5X7	44	5X7	50	6.3X7	55	8X7	67								
47	4X7	39	5X7	49	6.3X7	54	6.3X7	62	8X7	74										
100	6.3X7	59	6.3X7	75	8X7	90														