

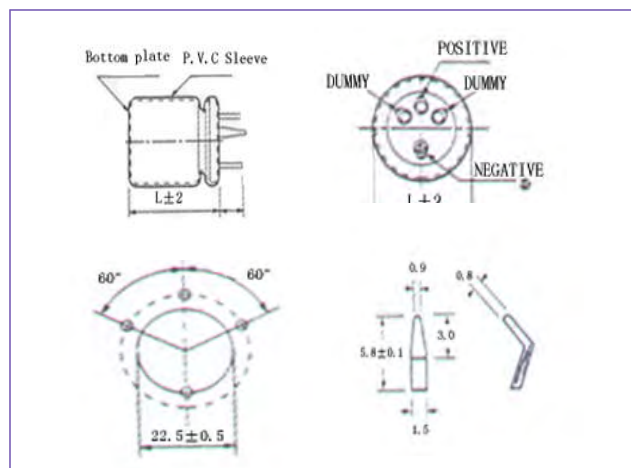
K4H Large Capacitance Miniature Aluminum Electrolytic Capacitors

PC Board Plug-in 4 Terminals, Ultra miniaturized Capacitors, Series K4H.

Long life 2000 hours at +105°C with ripple current applied.
Expected life: 75000 hours at +65°C with ripple current applied.

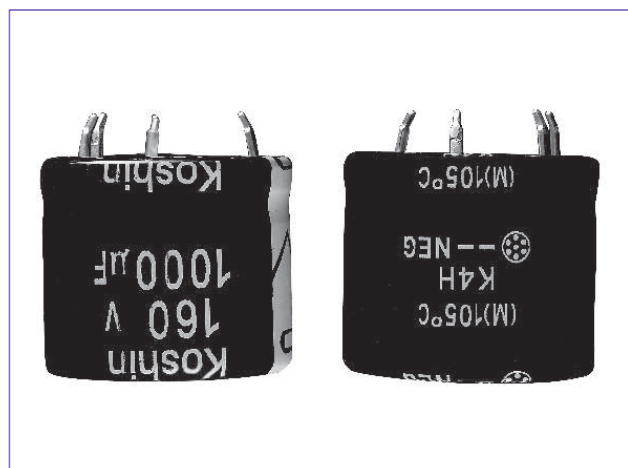
Outline Drawing

Unit: mm



Photo

ROSH



Marking color: black print on yellow sleeve

Specifications

No.	Item	Performance					
1	Temperature range(℃)	-25 to +105					
2	Leakage current(μ A)	Less than 0.02CV or 3mA whichever is smaller (after five minutes) C: Rated Capacitance(μ F); V: Rated voltage(V) 20℃					
3	Capacitance tolerance (%)	±20 (20℃ , 120Hz)					
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	160	200	250	400	20℃ 120Hz
		Tan δ (max)	0.15	0.15	0.15	0.15	
5	Low temperature characteristics	Rated voltage (V)	160	200	250	400	120Hz
		Impedance ratio (max) $Z_{(-25℃)}/Z_{(+20℃)}$	4	4	4	8	
6	Endurance (105℃) (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℃)	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	1.36	1.48	1.53
100<CAP ≤ 1000	0.80	1.00	1.25	1.35	1.38
1000<CAP	0.80	1.00	1.17	1.25	1.28

Coefficient of Temperature for Ripple Current

Temperature(°C)	45	60	70	85	95	105
Coefficient	1.55	1.30	1.20	1.40	1.25	1.00

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DIMENSION & PERMISSIBLE RIPPLE CURRENT

Dimension: Φ DXL(mm)
Ripple Current: A/rms at 120Hz, 105°C

V.DC Contents μ F	160				200			
	Φ DXL	A	Φ DXL	A	Φ DXL	A	Φ DXL	A
220					30X25	1.15		
330	30X25	1.39			30X30	1.33		
390	30X25	1.47			30X30	1.47	35X25	1.47
470	30X30	1.64			30X35	1.54	35X30	1.54
560	30X30	1.76			30X40	1.69	35X30	1.69
680	30X35	1.98	35X30	1.98	30X45	1.90	35X35	1.90
820	30X40	2.36	35X30	2.36	30X50	2.24	35X40	2.24
1000	30X50	2.60	35X35	2.60				
1200	30X55	2.73						

V.DC Contents μ F	250				400			
	Φ DXL	A	Φ DXL	A	Φ DXL	A	Φ DXL	A
82					30X25	0.73		
100					30X30	0.82		
120					30X35	0.87	35X25	0.87
150					30X40	1.00	35X30	1.00
180	30X25	0.98			30X45	1.06	35X35	1.06
220	30X30	1.10			30X50	1.18	35X40	1.18
270	30X30	1.22						
330	30X35	1.36	35X30	1.36				
390	30X40	1.47	35X30	1.47				
470	30X40	1.58	35X35	1.58				
560	30X50	1.76	35X40	1.76				