

CAPACITOR

Aluminum Electrolytic Capacitor Series

KLS10 - CD11 (GS) Series

Miniature Standard

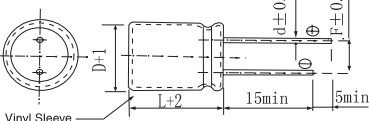
Miniature Standard, good stable and reliable performances.

D ≥ 8mm equipped with pressure release device.

Widely used in DC or pulse circuit of TV, VCD(DVD),

AUDIO systems, telecommunications and computers.



Item	Characteristics											
Size and its tolerance 	∅ D	5	6	8	10	12	13	16	18	22	25	26
	F ± 0.5	2.0	2.5	3.5	5.0			7.5		10	12.5	
	d ± 0.1	0.5			0.6			0.8				
Operating Temp. Range	-40℃～+85℃											
Rated Working Voltage	6.3～450V _{DC}											
Capacitance Range	0.1～10000 μ F(+20℃,100 or 120Hz)											
Capacitance Tol.	±20%, ^{+30%} _{-10%} (+20℃,100 or 120Hz)											
Dissipation Factor tg δ	At +20℃ and 100 or 120Hz,for C _R >1000 μ F, tg δ add 0.02 per another 1000 μ F.											
	U _R (V)	6.3	10	16	25	35	50,63	100	160～250	400,450		
	(A grade)	0.24	0.22	0.20	0.15	0.12	0.10	0.08	0.16	0.20		
	(B grade)	GB5995-86										
Leakage Current I _L	A grade ≤0.03·C _R ·U _R or 5 μ A (≤100V _{DC}) whichever is greater ≤0.03·C _R ·U _R + 10 μ A (≥160V _{DC}) B grade GB5995-86 At+20℃,after 2 minutes application of U _R											
Load Life	At +85℃ after U _R applied for 1000 hours.											
	ΔC	^{+20%} _{-30%} (6.3V _{DC})、±20%(10-100V _{DC})、±15%(≥160V _{DC}) of initial measured value										
	DF(tg δ)	≤200% (≤100V _{DC})、150% (≥160V _{DC}) of initial specified value										
	LC(I _L)	≤ initial specified value										
Shelf Life	After shelf for 500 hours(without voltage applied) at +85℃,then restored for 16 hours at room temp.											
	ΔC	^{+20%} _{-30%} (6.3V _{DC})、±20%(10-100V _{DC})、±15%(≥160V _{DC}) of initial measured value										
	DF(tg δ)	≤200% (≤100V _{DC})、150% (≥160V _{DC}) of initial specified value										
	LC(I _L)	≤200% of initial specified value										
Others	GB5995-86											

Note: We can also provide the capacitors according to the customer's request.

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Case Size of Standard Products

$C_R(\mu F) \backslash U_R(V)$	6.3	10	16	25	35	50	63	100
0.1~0.68						5×11	5×11	5×11
1.0						5×11	5×11	5×11
2.2						5×11	5×11	5×11
3.3						5×11	5×11	5×11
4.7					5×11	5×11	5×11	5×11
10			5×11	5×11	5×11	5×11	5×11	6×12
22	5×11	5×11	5×11	5×11	5×11	5×11	6×11	8×14
33	5×11	5×11	5×11	5×11	5×11	6×12	8×12	10×13
47	5×11	5×11	5×11	5×11	6×11	6×12	8×12	10×15
100	5×11	5×11	5×11	6×12	8×11	8×12	8×12	10×20
220	5×12	5×12	6×12	8×12	8×14	10×15	10×17	12×25
330	6×12	6×12	8×12	8×12	10×15	10×17	12×20	16×25
470	6×12	8×12	8×12	8×14	10×17	10×20	13×20	16×30
1000	8×12	8×12	10×15	10×18	13×20	13×26	16×31	19×40
2200	10×15	10×15	12×20	13×21	16×27	16×32	18×41	25×40
3300	10×20	12×20	13×21	16×27	16×36	18×36	22×42	35×50
4700		13×21	13×26	16×27	18×36	22×40	22×50	35×50
6800		16×25	16×26	16×36	19×40	22×50	25×50	35×60
10000		16×30	19×30	19×40	22×40	25×50	30×50	35×70

Note: We can also provide the capacitors according to the customer's request.

$C_R(\mu F) \backslash U_R(V)$	160	200	250	400	450
0.1~0.68					
1.0	5×12	6×12	6×12	8×12	8×12
2.2	6×12	8×12	8×12	8×12	8×14
3.3	6×12	8×12	8×12	8×14	8×14
4.7	8×12	8×12	8×14	10×20	10×20
10	8×14	10×15	10×17	12×20	12×20
22	10×15	10×20	12×20	12×25	16×25
33	10×20	12×20	12×25	18×20	16×30
47	13×21	12×20	13×25	18×27	18×30
100	13×26	16×27	16×30	22×35	22×40
220	16×36	18×36	22×30	25×40	25×50
330	22×35	22×40	25×40	30×40	30×50
470	22×40	22×50	25×50	30×50	35×50

Note: We can also provide the capacitors according to the customer's request.

