

Aluminum Electrolytic Capacitors

Single	ended	capacitors -	_ Tani	ina nac	king ar	nd lead	configu	rations
Siligie	CHUCU	capacitors.	– rap	iriy, pac	miliy ai	iu icau	Cornigu	nalions

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Taping

Single-ended capacitors are available taped in Ammo pack from diameter 8 to 18 mm as follows:

Lead spacing F = 3.5 mm ($\emptyset \text{ d} = 8 \text{ mm}$)

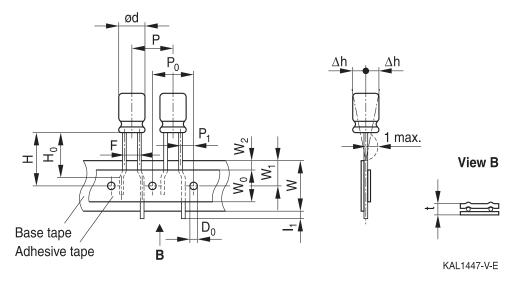
Lead spacing $F = 5.0 \text{ mm} (\emptyset \text{ d} = 8 \dots 12.5 \text{ mm})$

Lead spacing F = 7.5 mm ($\emptyset \text{ d} = 16 \dots 18 \text{ mm}$).

The dimensions for F, P_1 and 1 max. are specified with reference to the center of the terminal wires.

Lead spacing 3.5 mm (\emptyset d = 8 mm)

Last 3 digits of ordering code: 006



Dimensions in mm

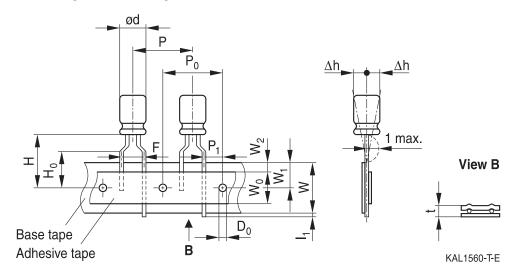
\emptyset d	F	Н	W	W_0	W_1	W_2	Р	P ₀	P ₁	I ₁	t	Δh	D ₀
8	3.5	18.5	18.0	9.5	9.0	3.0	12.7	12.7	4.6	1.0	0.7	1.0	4.0
Toler-	+0.8	±1 0	±0.5	min	+0.5	may	±1 0	±0 3	±0.6	may	±0.2	may	±0.2
ance	-0.2	1.0	0.5	1111111.	±0.5	шах.	1.0	0.5	0.6	IIIax.		шах.	∪.∠

Leads can also run straight through the taping area.



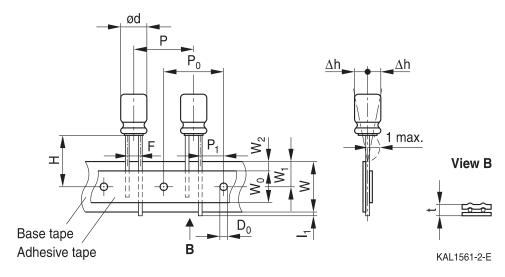
Lead spacing 5.0 mm (\emptyset d = 8 mm)

Last 3 digits of ordering code: 008



Lead spacing 5.0 mm (\varnothing d = 10 ... 12.5 mm)

Last 3 digits of ordering code: 008



Dimensions in mm

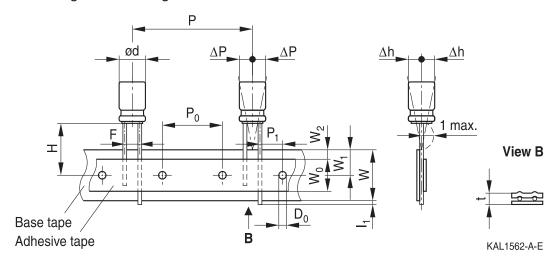
\emptyset d	F	Н	W	W_0	W ₁	W_2	H _o	Р	P ₀	P ₁	I ₁	t	Δh	D_0
8		20.0		9.5			16.0	12.7	12.7	3.85				
10	5.0	19.0	18.0	9.5	9.0	1.5	_	12.7	12.7	3.85	1.0	0.6	1.0	4.0
12.5		19.0		11.5			_	15.0	15.0	5.0				
Toler- ance	+0.8 -0.2	±0.75	±0.5	min.	±0.5	max.	±0.5	±1.0	±0.2	±0.5	max.	+0.3 -0.2	max.	±0.2

Taping is available up to dimensions $d \times I = 12.5 \times 25$ mm.



Lead spacing 7.5 mm (\emptyset d = 16 ...18 mm)

Last 3 digits of ordering code: 009



Dimensions in mm

\emptyset d	F	Н	W	W_0	W ₁	W_2	Р	P ₀	P ₁	I ₁	t	ΔΡ	Δh	D ₀
16	7.5	10.5	10 0	10.5	0.0	1.5	30 O	15.0	2 75	1.0	0.7	0	0	4.0
18	7.5 18.5												U	
Toler-	+0.8	-0.5	+0.5	min	+0.5	may	+1.0	+0.2	+0.5	may	+0.2	+1 0	+1 0	+0.2
ance	±0.8	+0.75	±0.5	1111111.	0.5	IIIax.	±1.0	±0.∠	±0.5	max.	_±0.∠	±1.0	±1.0	±0.∠

Taping is available up to dimensions $d \times I = 16 \times 31.5$ mm and 18×31.5 mm.



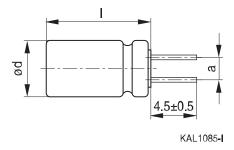
Cut or kinked leads

Single-ended capacitors are available with cut or kinked leads. Other lead configurations also available upon request.

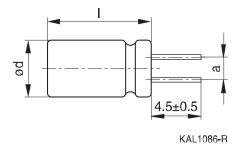
Cut leads

Last 3 digits of ordering code: 002

With stand-off rubber seal



With flat rubber seal



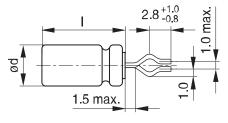
Case size	Dimensions (mm)
$d \times I (mm)$	a ±0.5
10 × 12.5	5.0
10 × 16	5.0
10 × 20	5.0
12.5 × 20	5.0
12.5 × 25	5.0
16 × 20	7.5
16 × 25	7.5
16 × 31.5	7.5
16 × 35.5	7.5
16 × 40	7.5
18 × 20	7.5
18 × 25	7.5
18 × 31.5	7.5
18 × 35	7.5
18 × 40	7.5



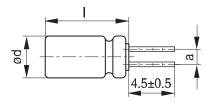
Kinked leads

Last 3 digits of ordering code: 001

With stand-off rubber seal

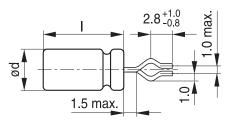


KAL1081-K

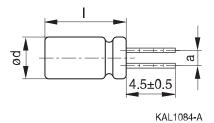


KAL1083-2

With flat rubber seal



KAL1082-T



Dimensions (mm) Case size $d \times I (mm)$ a ±0.5 10×20 5.0 12.5×20 5.0 12.5×25 5.0 16×20 7.5 16×25 7.5 16×31.5 7.5 16×35.5 7.5 18×20 7.5 18×25 7.5 18×31.5 7.5 18×35 7.5 18×40 7.5



PAPR leads (Protection Against Polarity Reversal)

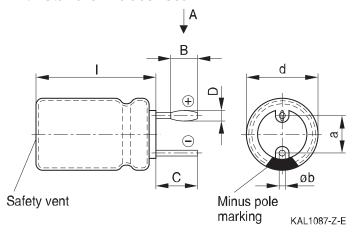
These lead configurations ensure correct placement of the capacitor on the PCB with regard to polarity. PAPR leads are available for diameters from 10 mm up to 18 mm.

There are three configurations available: Crimped leads, J leads, bent 90° leads.

Crimped leads

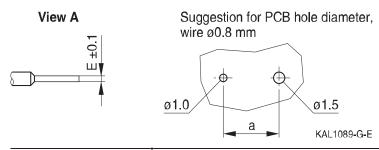
Last 3 digits of ordering code: 003

With stand-off rubber seal



The series B41897 and B41898 have no sleeve nor minus pole marking, the positive pole is marked on the aluminum case side instead.

Suggestion for PCB hole diameter

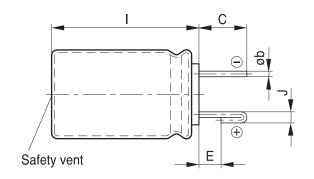


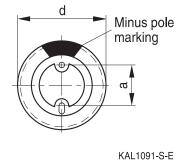
Case size	Dimension	Dimensions (mm)								
$d \times I (mm)$	B ±0.2	C ±0.5	D ±0.1	E ±0.1	a ±0.5	Øb				
16 × 20	1.5	3.0	1.3	0.3	7.5	0.8 ±0.05				
16 × 25	1.5	3.0	1.3	0.3	7.5	0.8 ±0.05				
16 × 31.5	1.5	3.0	1.3	0.3	7.5	0.8 ±0.05				
16 × 35.5	1.5	3.0	1.3	0.3	7.5	0.8 ±0.05				
18 × 20	1.5	3.0	1.3	0.3	7.5	0.8 ±0.1				
18 × 25	1.5	3.0	1.3	0.3	7.5	0.8 ±0.1				
18 × 31.5	1.5	3.0	1.3	0.3	7.5	0.8 ±0.1				
18 × 35	1.5	3.0	1.3	0.3	7.5	0.8 ±0.1				
18 × 40	1.5	3.0	1.3	0.3	7.5	0.8 ±0.1				



J leads

Last 3 digits of ordering code: 004

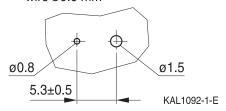




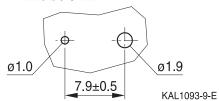
The series B41897 and B41898 have no sleeve nor minus pole marking, the positive pole is marked on the aluminum case side instead.

Suggestion for PCB hole diameter

Suggestion for PCB hole diameter, wire $\emptyset 0.6 \text{ mm}$



Suggestion for PCB hole diameter, wire $\emptyset 0.8 \text{ mm}$

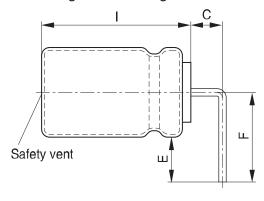


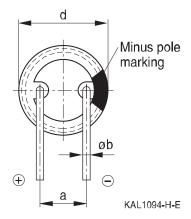
Case size	Dimensions (mm)			
$d \times I (mm)$	C ±0.5	E ±0.5	J ±0.2	a ±0.5	Øb
10 × 12.5	3.2	0.7	1.2	5.0	0.6 ±0.05
10 × 16	3.2	0.7	1.2	5.0	0.6 ±0.05
10 × 20	3.2	0.7	1.2	5.0	0.6 ±0.05
12.5 × 20	3.2	0.7	1.2	5.0	0.6 ±0.05
12.5 × 25	3.2	0.7	1.2	5.0	0.6 ±0.05
16 × 20	3.5	0.7	1.6	7.5	0.8 ±0.05
16 × 25	3.5	0.7	1.6	7.5	0.8 ±0.05
16 × 31.5	3.5	0.7	1.6	7.5	0.8 ±0.05
16 × 35.5	3.5	0.7	1.6	7.5	0.8 ±0.05
16 × 40	3.5	0.7	1.6	7.5	0.8 ±0.05
18 × 20	3.5	0.7	1.6	7.5	0.8 ±0.1
18 × 25	3.5	0.7	1.6	7.5	0.8 ±0.1
18 × 31.5	3.5	0.7	1.6	7.5	0.8 ±0.1
18 × 35	3.5	0.7	1.6	7.5	0.8 ±0.1



Bent 90° leads for horizontal mounting pinning

Last 3 digits of ordering code: 012





The series B41897 and B41898 have no sleeve nor minus pole marking, the positive pole is marked on the aluminum case side instead.

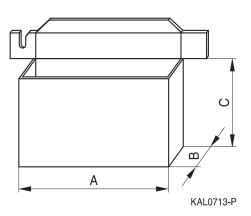
Case size	Dimension	s (mm)			
$d \times I (mm)$	C ±0.5	E ±0.5	F ±0.5	a ±0.5	∅b
16 × 20	4.0	4.0	12.0	7.5	0.8 ±0.05
16 × 25	4.0	4.0	12.0	7.5	0.8 ±0.05
16 × 31.5	4.0	4.0	12.0	7.5	0.8 ±0.05
16 × 35.5	4.0	4.0	12.0	7.5	0.8 ±0.05
16 × 40	4.0	4.0	13.0	7.5	0.8 ±0.05
18 × 20	4.0	4.0	13.0	7.5	0.8 ±0.1
18 × 25	4.0	4.0	13.0	7.5	0.8 ±0.1
18 × 31.5	4.0	4.0	13.0	7.5	0.8 ±0.1
18 × 35	4.0	4.0	13.0	7.5	0.8 ±0.1
18 × 40	4.0	4.0	13.0	7.5	0.8 ±0.1

Bent leads for diameter 12.5 mm available upon request.



Packing units and box dimensions

Ammo pack



Case size	Dimens	sions (mi	m)	Packing units
mm	A _{max}	B _{max}	C _{max}	pcs.
8 × 11.5	345	60	240	1000
10 × 12.5	345	60	280	750
10 × 16	345	65	200	500
10 × 20	345	65	200	500
12.5 × 20	345	65	260	500
12.5 × 25	345	70	260	500
16 × 20	325	65	285	300
16 × 25	325	65	285	300
16 × 31.5	325	80	275	300
18 × 20	325	65	285	250
18 × 25	325	65	285	250
18 × 31.5	325	80	275	250



Overview of packing units and code numbers

								PAPR	
Case size	Stan-	Taped	Ι,		Kinked	Cut	Crimped	J leads,	Bent 90°
$d \times I$	dard,	Ammo	pack		leads,	leads,	leads,	blister	leads,
	bulk				bulk	bulk	blister		blister
mm	pcs.	pcs.			pcs.	pcs.	pcs.	pcs.	pcs.
8 × 11.5	1000	1000			_	_	_	_	
10 × 12.5	1000	750	750			1000	_	900	
10 × 16	1000	500	500			1000	_	675	
10 × 20	500	500	500			500	_	500	
12.5 × 20	350	500	500			350	_	300	1)
12.5 × 25	250	500	500			500	_	225	1)
16 × 20	250	300			200	200	200	200	420
16 × 25	250	300	300			200	216	216	216
16 × 31.5	200	300	300			250	180	180	180
16 × 35.5	100	_			100	100	150	150	150
16 × 40	125	_			100	100	72	72	72
18 × 20	175	250			175	175	200	200	420
18 × 25	150	250			150	150	200	200	200
18 × 31.5	100	250			100	100	150	150	150
18 × 35	100	_			100	100	150	150	150
18 × 40	125	_			100	100	72	_	72
The last three	000	Code	F (mm)	d (mm)	001	002	003	004	012
digits of the		006	3.5	8	1				
complete		800	5	812.5					
ordering code		009	7.5	1618					
state the lead									
configuration									