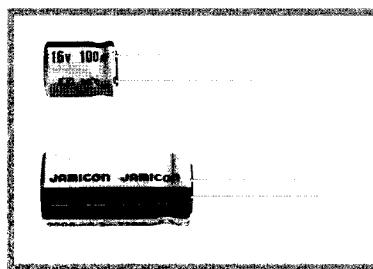


低漏電品

LOW LEAKAGE CURRENT

LK SERIES

- 在高溫無負荷或常溫長期放置後，尚能保持良好的低漏洩電流特性。
 - 適用於Hi-Fi之前置放大器，TV振盪回路。
 - After placed no-load condition under high temperature, or long storage period under normal temperature, the series can still keep good low leakage current.
 - Suitable for Hi-Fi pre-amplifiers and TV oscillation loop circuits.



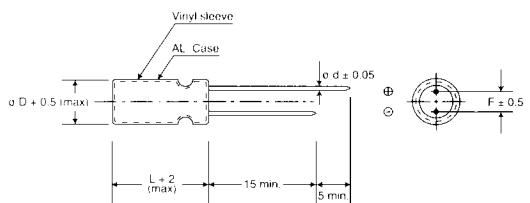
SPECIFICATION

Item	Characteristic							
使用溫度範圍 Operation Temperature Range	-40~+85°C							
額定電壓 Rated Working Voltage	10~63 VDC							
靜電容量容許差 (120Hz 25°C) Capacitance Tolerance	$\pm 20\% (M)$ $+30\%$ -10% (Q)							
漏洩電流 (25°C) Leakage Current	$I \leq 0.004 CV$ or $0.4 (\mu A)$ Under 1 KΩ resistor series and rated voltage applied whichever is greater after 1 minute.	I : Leakage Current C : Rated Capacitance V : Working Voltage						
湧浪電流 (25°C) Surge Voltage	WV	10	16	25	35	50	63	
	SV	13	20	32	44	63	79	
散逸因素 (120Hz 25°C) Dissipation Factor	WV (tan δ)	10 0.20	16 0.17	25 0.15	35 0.12	50 0.10	63 0.10	
高溫負荷特性 Load Life	After 2000 hours application of WV at +85°C the capacitor shall meet the following limits.							
	Capacitance Change		$\leq \pm 15\%$ of initial value					
	Dissipation Factor		$\leq 150\%$ of initial specified value					
	Leakage current		\leq initial specified value					

低漏電品

CASE SIZE OF RADIAL TYPE

D	5	6.3	8	10	13
F	2.0	2.5	3.5		5.0
d		0.5			0.6



低漏電品

CASE SIZE & MAX RIPPLE CURRENT

* IKB *

STANDARD NUMBER												SPECIAL REQUIREMENTS		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
S	K	R	2	2	1	M	1	C	F	1	1	M		
SERIES	TYPE	CAPACITANCE (μ F)	CAP. TOL.	VOLTAGE (W.V.)	CASE SIZE (ϕ Dmm) (L.mm)-Length of Al.case									
PS	TH													
PT	TX													
CS	WB													
CR	FS													
CT	UK													
CH	NC													
CL	LP													
CF	HP													
SV	LS													
ST	HS													
NT	LT													
SS	HT													
SH	HV													
SL	KP													
NS	RP													
SK														
SM														
TK														
TM														
NK														
LK														
WL														
WG														
TL														
S	Screw	Screw Terminal Type												
M	Chip	Surface Mount Type												
E	Clip	Horizontal Molded												

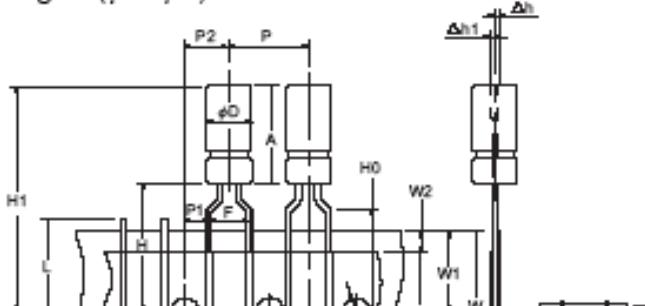
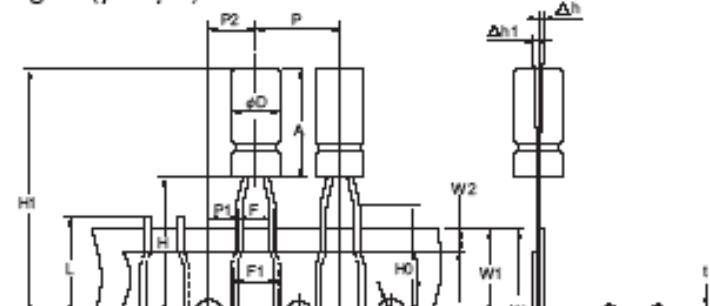
SPECIFICATION

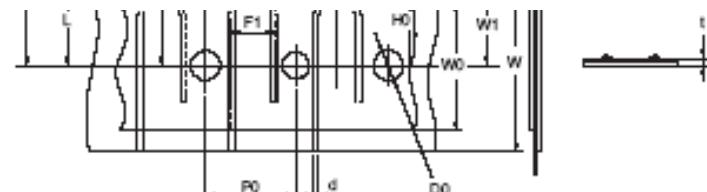
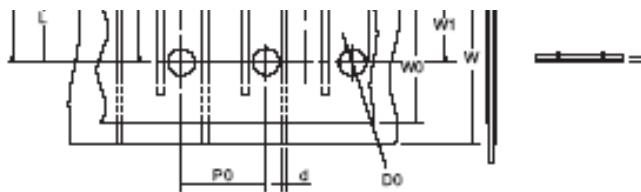
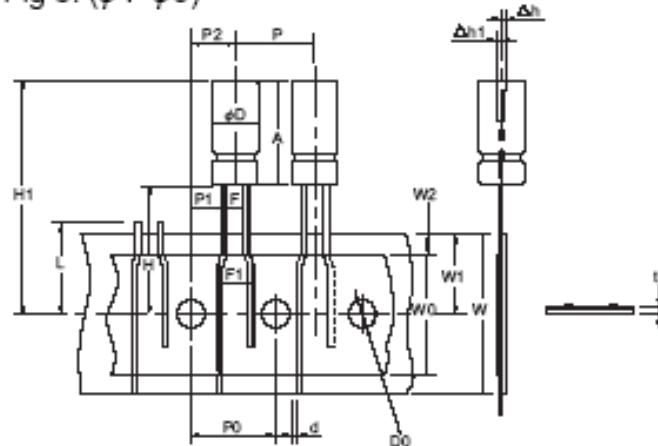
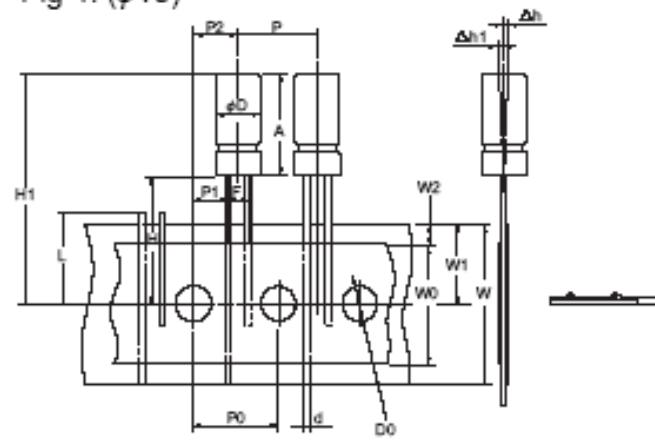
Lead taping is designed for automatic insertion equipment. Capacitor with case size of 18mm x 35.5mm or smaller are available in taping type.

DIMENSIONS ($\phi 4 \sim \phi 10$)

(mm)

Item	Symbol	Case Size												Tolerance	Remark							
		4x5	5x5	6.3x5	8x5	4x7	5x7	6.3x7	8x7	5x11	6.3x11	8x11.5	10x12.5	10x16	10x18	10x20						
Lead wire diameter	d	0.45												0.6		± 0.05						
Body height	A	6.0			8.0			12.5			13	14	17.5	19.5	21.5	max						
Intervals of bodies	P	12.7												± 1.0								
Intervals of punched holes	P ₀	12.7												± 0.2								
Distance between holes and lead wire	P ₁	3.85												Fig 1. Fig 4.								
		5.5	5.1	5.1			5.5	5.1	5.1		5.1		5.1			± 0.7	Fig 2.					
		5.6	5.35	5.1	5.1	5.6	5.35	5.1	4.6	5.35	5.1	4.6					Fig 3.					
Distance between holes and bodies	P ₂	6.35												± 1.0								
Distance between lead and lead	F	5.0												Fig 1. Fig 4.								
		20	25	2.5			20	25	2.5		2.5		2.5			$+0.8$	Fig 2. F ₁ : 5.0 $^{+0.5}_{-1.0}$					
		1.5	2.0	2.5	2.5	1.5	2.0	2.5	3.5	2.0	2.5	3.5				-0.2	Fig 3. F ₁ : 5.0 $^{+0.5}_{-1.0}$					
Base tape width	W	18.0												± 0.5								
Adhesive tape width	W ₀	12.5												min								
Deviation between holes and base tape	W ₁	9.0												± 0.5								
Deviation between adhesive and base tape	W ₂	1.5												max								
Distance between body bottom and tape center	H	17.5						18.5		20.0	18.5			± 0.5	Fig 1. Fig 4.							
		17.5						18.5		18.5					Fig 2. Fig 3.							
Lead wire clinched hight	H ₀	16.0												± 0.5								
Distance between body top and tape center	H ₁	24.5			27.5			32.5		33.0	36.0	38.0	41.0	max								
Punched hole diameter	D ₀	4.0												± 0.3								
Length of not good lead slit	L	11.0												max								
Base and adhesive tape thickness	t	0.6												± 0.3								
Deviation of body alignment	Δh	0												± 2.0								
Deviation of body alignment	Δh_1	0												± 1.0								

Fig 1. ($\phi 4 \sim \phi 8$)Fig 2. ($\phi 4 \sim \phi 5$)

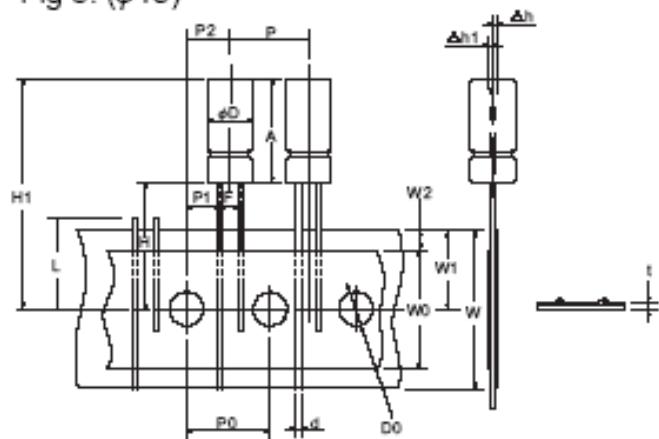
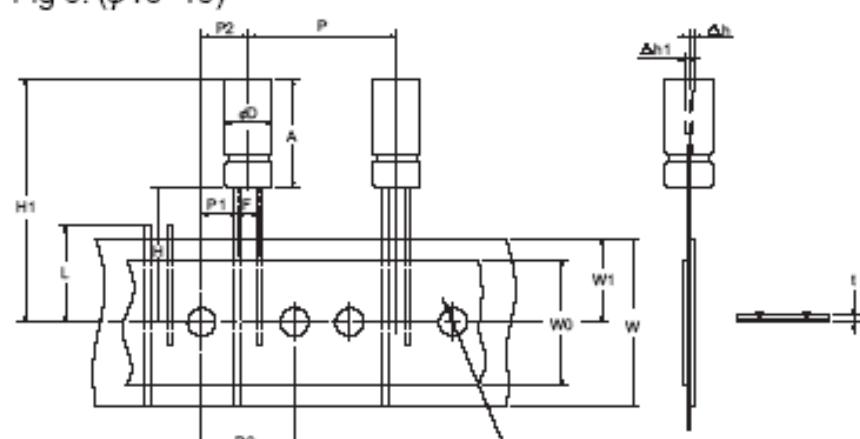
Fig 3. ($\phi 4 \sim \phi 8$)Fig 4. ($\phi 10$)

DIMENSIONS ($\phi 13 \sim \phi 18$)

(mm)

Item	Symbol	Case Size							Tolerance	Remark				
		12.5 x 20	12.5 x 25	12.5 x 30	16 x 25	16 x 31.5	16 x 35.5	18 x 35.5						
Lead wire diameter	d	0.6			0.8				±0.05					
Body height	A	21.5	26.5	31.5	26.5	33	37.0	37.0	max					
Intervals of bodies	P	15.0			30.0				±1.0	Fig 5. Fig 6.				
Intervals of punched holes	P ₀	15.0							±0.2					
Distance between holes and lead wire	P ₁	5.0			3.75				±0.7					
Distance between holes and bodies	P ₂	7.5							±1.0					
Distance between lead and lead	F	5.0			7.5				+0.8 -0.2					
Base tape width	W	18.0							±0.5					
Adhesive tape width	W ₀	15.0							min					
Deviation between holes and base tape	W ₁	9.0							±0.5					
Deviation between adhesive and base tape	W ₂	1.5							max					
Distance between body bottom and tape center	H	16.5			18.5				±0.5	Fig 5. Fig 6.				
Distance between body top and tape center	H ₁	40.5	45.5	50.5	46.5	53.5	56.5	56.5	max					
Punched hole diameter	D ₀	4.0							±0.3					
Length of not good lead slit	L	11.0							max					
Base and adhesive tape thickness	t	0.6							±0.3					
Deviation of body alignment	Δh	0							±2.0					

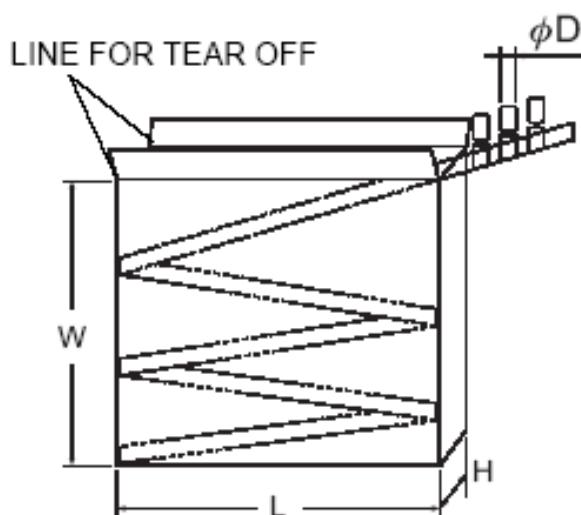
Deviation of body alignment	Δh	0	± 2.0
Deviation of body alignment	Δh_1	0	± 1.0

Fig 5. ($\phi 13$)Fig 6. ($\phi 16\sim 18$)

● PACKING (SYMBOL : P)

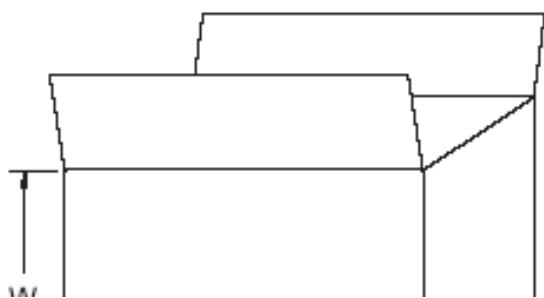
Available for various automatic equipment. Choosing the ordinal the polarity of capacitor's lead depends on customer's request.

■ INNER BOX :

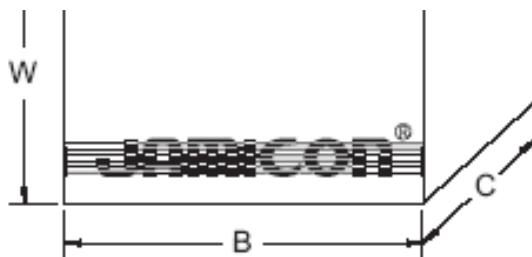


$\phi D(\text{mm})$	$W \pm 5(\text{mm})$	$L \pm 5(\text{mm})$	$H \pm 5(\text{mm})$	Quantity(Pcs)
4	175	335	45	2,000
5	235	335	50	2,000
6.3	280	335	50	2,000
8	235	335	50	1,000
10($L \leq 16$)	295	320	50	800
10($L \leq 20$)	295	320	55	800
12.5($L \leq 20$)	295	320	55	500
12.5($L \leq 25$)	295	320	60	500
12.5($L \leq 30$)	295	320	70	500
16($L \leq 25$)	295	320	60	300
16($L \leq 31.5$)	295	320	70	300
16($L \leq 35.5$)	300	320	70	300
18($L \leq 35.5$)	300	320	70	243

■ PACKING CARTON :

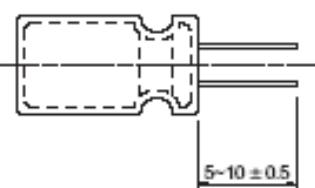
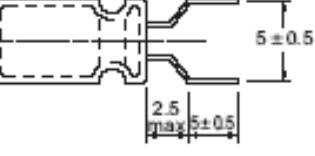
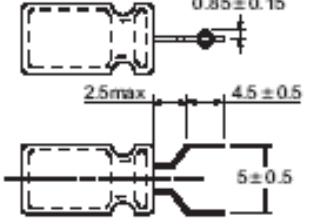


$\phi D(\text{mm})$	$A \pm 5(\text{mm})$	$B \pm 5(\text{mm})$	$C \pm 5(\text{mm})$	Inner Box	Quantity(Pcs)
4	240	355	185	5	10,000
5	270	355	250	5	10,000
6.3	270	355	300	5	10,000
8	270	355	250	5	5,000
10($L \leq 16$)	290	345	320	5	4,000
10($L \leq 20$)	315	345	320	5	4,000
12.5($L \leq 20$)	315	345	320	4	2,000
12.5($L > 25$)	340	345	320	4	2,000



12.5(L≤20)	315	345	320	4	2,000
12.5(L≤25)	340	345	320	4	2,000
12.5(L≤30)	370	345	320	4	2,000
16(L≤25)	340	345	320	4	1,200
16(L≤31.5)	370	345	320	4	1,200
16(L≤35.5)	385	345	320	4	1,200
18(L≤35.5)	385	345	320	4	972

● Lead Style & taping

Item List		Code	Lead Diameter (mm)	Case Size DxL(mm)	Range	Dimensions	
Lead Style	Lead Cut	C	0.5~0.8	5 x 11 18 x 40	λ φ5~φ18		
	Lead Forming Cut	F	0.5~0.6	5 x 11 8 x 11.5	λ φ5~φ8		
	Snap-in	Y	0.5~0.8	5 x 11 18 x 40	λ φ5~φ8 φ10~φ18		 
						$φ4~φ8$: See Fig 1. (page 8)	

					$\phi 4 \sim \phi 8$: See Fig 1. (page 8)
Lead Taping	P	0.45~0.8	4 x 5 18 x 35.5	$\} \leq \phi 18$	$\phi 10$: See Fig 4. (page 9)

