

※Trimmed (Cut) or Formed Leads

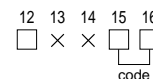
● Radial lead type

In order to identify correct part number for the processed lead product, cut/formed lead code must be added to bulk part number.

● If the bulk part number is up to 11th digit, processed lead coding shall be as follows:



● In case 12th digit is alphabet, it shall be:



● In case 12th digit is numeral, it shall be:



Configurations	Cut / Formed lead code		Dimensions (mm)				Lead configurations
	Code	Case length	φD	F	L	ℓ	
Forming and cutting	[B][A]	5mmL,7mmL	4	5	5.0	—	<p>(Code [B][A], [B][B]) 1.5MAX. (Code [F][A], [F][V]) 2.5MAX.</p>
		Other length	6.3			—	
	[F][A]	Other length	8	—			
		Other length	8	—			
	[B][B]	5mmL,7mmL	4	5	3.5	—	
		Other length	5			—	
	[F][V]	Other length	6.3	—			
		Other length	8	—			
Cutting	[C][A]	All length	3	1.0	5.0	—	<p>※ φ 8 × 5 = F: 2.5 ※ Please contact us for the φ 16 to φ 25 × 12.5L products.</p>
			4	1.5		—	
			5	2.0		—	
			6.3	2.5		—	
			8	※ 3.5		—	
			10	5		—	
			12.5	—		—	
			16	7.5		—	
			18	—		—	
			20	10		—	
	22	—	—				
	25	12.5	—				
	[C][P]	All length	Same as above.	4.5	—		
	[C][C]	All length	Same as above.	4.0	—		
[C][V]	All length	Same as above.	3.5	—			
[C][T]	All length	Same as above.	3.2	—			
[C][M]	All length	Same as above.	3.0	—			
Snap-in	[A][E]	5mmL,7mmL	4	5	4.5	1.1	<p>(φ4, 5, 6.3, 8) (Code [A][E]) 1.5 MAX. (Code [A][A]) 2.5 MAX.</p> <p>(φ10, 12.5, 16, 18, 20, 22, 25)</p>
		Other length	6.3			1.3	
	[A][A]	Other length	8	—			
			8	—			
	[A][A]	All length	10	5	4.5	1.3	
			12.5	—			
			16	7.5	5.0	1.8	
			18	—			
			20	10	—		
			22	—	—		
25	12.5	—					

● Conductive polymer aluminum solid electrolytic capacitors : Cutting configurations only

*Lead diameter (φd) and lead pitch (P) are subject to capacitor specifications.

※End seal Configuration

Configuration	※2		※1		
φ	3	5 · 6.3	4 · 8 · 10	12.5 · 16 · 18	20 · 22 · 25

Exception : φ5, φ6.3 case size of MA, MR, MF, MP, MT, MW, SA, SF, SP, SR, ST, SW, HC (7mmL), PW (7mmL), TT (7mmL), TS (7mmL) series : configuration ※ 1
φ6.3 × 6mmL, φ6.3 × 9mmL, φ8 × 7mmL, φ8 × 9mmL, φ10 × 8mmL, φ10 × 10mmL size of LF※ LE※, LG※, LS※, LV※ series, MV, SV, PV series : configuration ※ 2

※ Conductive polymer aluminum solid electrolytic capacitors

※Taped Leads for Automatic Insertion Systems

● Radial lead type (Applicable standard JIS C0806-2)

(mm)

In order to identify correct part number for the taped product, taping code must be added.

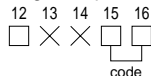
- If the bulk part number is up to 11th digit, taping code shall be as follows:



- In case 12th digit is numeral, it shall be



- In case 12th digit is alphabet, it shall be



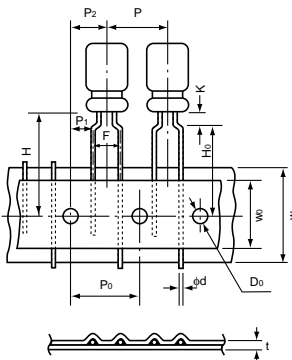
Specifications					Capacitor diameter (φ)	Taping code	
Packaging	Lead style	⊕ ⊖ Leader	F	P ₀		Code	Applicable size
Ammo-pack	Formed lead	—	See Table 1	12.7	3 to 8	T E T P T A	φ4 to 8 Case length (5mmL, 7mmL) (φ3 × 5, φ4 × 11) (φ5 × 9 to φ8 × 9, φ4 × 11 to φ8 × 20)
		—	See Table 2	12.7		4 to 10	T P T D
	—	See Table 2	15.0	12.5	T O		(φ12.5 × 12.5 to 25)
	—	See Table 2	15.0	16, 18	T N	(φ16 × 15 to 25, φ18 × 15 to 25)	

Notes:
※ Conductive polymer aluminum solid electrolytic capacitors

Table 1

(mm)

(Formed lead type)

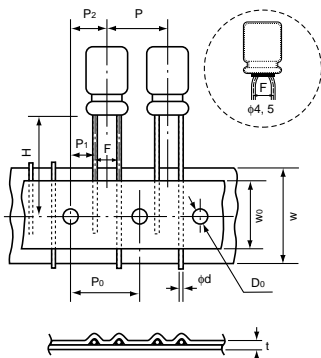


Item	Case Size	Tolerance	Formed Lead Type Case dia (φ) × Length (L)							
			φ3 × 5		φ4 × 11		φ4 × 5 φ5 × 5 φ6.3 × 5 φ8 × 5		φ4 × 11 φ5 × 9 φ6.3 × 9 φ8 × 9	
			TP	TP	φ4 × 7 φ5 × 7 φ6.3 × 7 φ8 × 7	TE	TA	TA		
φd	Lead-wire diameter	±0.05	0.40	0.45	0.45 (φ8 × 7 : 0.5)		0.5 (φ4 × 11 : 0.45)		0.6	
P	Pitch of component	±1.0	12.7	12.7	12.7		12.7		12.7	
P ₀	Feed hole pitch	±0.2	12.7	12.7	12.7		12.7		12.7	
P ₁	Hole center to lead	±0.5	5.1	5.1	3.85		3.85		3.85	
P ₂	Feed hole center to component center	±1.0	6.35	6.35	6.35		6.35		6.35	
F	Lead-to-lead distance	+0.8 -0.2	2.5	2.5	5.0		5.0		5.0	
K	Clinch height	MAX	1.5	2.5	1.5		2.5		4.0	
H	Height of component from tape center	+0.75 -0.5	18.5	18.5	17.5		18.5		20.0	
H ₀	Lead-wire clinch height	±0.5	16.0 ※3	16.0	16.0		16.0		16.0	
W	Tape Width	±0.5	18.0	18.0	18.0		18.0		18.0	
W ₀	Hold down tape width	MIN	7.0	7.0	7.0		7.0		7.0	
φD ₀	Feed hole diameter	±0.2	4.0	4.0	4.0		4.0		4.0	
t	Total tape thickness	±0.2	0.6	0.6	0.6		0.6		0.6	

Table 2

(mm)

(Straight lead type)



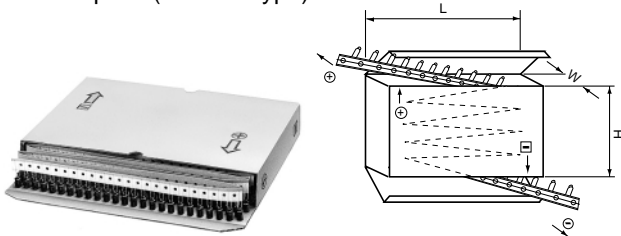
Item	Case Size	Tolerance	Straight Lead Type Case dia (φ) × Length (L)									
			φ4 × 5 φ4 × 7		φ5	φ6.3	φ8 × 5	φ8 × 7	φ8	φ10	φ12.5	φ16 φ18
			TP	TP, TD	TP, TD	TP	TD	TD	TD	TO	TN	
φd	Lead-wire diameter	±0.05	0.45	0.45 0.5, 0.6	0.45 0.5, 0.6	0.45	0.5	0.6	0.6	0.6	0.8	
P	Pitch of component	±1.0	12.7	12.7	12.7	12.7	12.7	12.7	12.7	15.0	30.0	
P ₀	Feed hole pitch	±0.2	12.7	12.7	12.7	12.7	12.7	12.7	12.7	15.0	15.0	
P ₁	Hole center to lead	±0.5	5.1 (※1 5.35)	5.1 (※1 5.35)	5.1	5.1	4.6	4.6	3.85	5.0	3.75	
P ₂	Feed hole center to component center	±1.0	6.35	6.35	6.35	6.35	6.35	6.35	6.35	7.5	7.5	
F	Lead-to-lead distance	+0.8 -0.2	2.5 ※1	2.5 ※1	2.5	2.5	3.5	3.5	5.0	5.0	7.5 ※2	
H	Height of component from tape center	+0.75 -0.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	
W	Tape Width	±0.5	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
W ₀	Hold down tape width	MIN	7.0	7.0	7.0	7.0	7.0	7.0	7.0	12.5	12.5	
φD ₀	Feed hole diameter	±0.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
t	Total tape thickness	±0.2	0.6	0.6	0.6 0.7 ※4	0.6	0.6	0.6	0.6 0.7 ※4	0.6	0.6	

Notes:
 ※ 1 F = 2.0mm is also available, provided that capacitor case length is less than 9mm. Taping code to be T|C.
 ※ 2 Tolerance on F for φ16 and φ18 units shall be ±0.8mm.
 ※ 3 Tolerance on H₀ for φ3 units shall be 16.0 MIN.
 ※ 4 Conductive polymer aluminum solid electrolytic capacitors

- Special taping specifications on H, F, and K dimensions other than the above figures are available upon request.
- Conductive polymer aluminum solid electrolytic capacitors : Straight lead type only
- Only the above mentioned dimensions are specified.

Packaging

● Ammo-pack (Flat box type)



(mm)					
L	H	W	Case Size ($\phi D \times L$)	Qty / Box	
340	150	50	3 × 5	2,000	
340	200	50	4 × 5, 4 × 7	2,000	
340	250	50	5 × 5, 5 × 7	2,000	
			8 × 5, 8 × 7, 8 × 8	1,000	
340	300	50	6.3 × 5, 6.3 × 6, 6.3 × 7	2,000	
340	260	54	4 × 11, 5 × 9, 5 × 11, 5 × 15	2,000	
			8 × 9, 8 × 10, 8 × 11.5, 8 × 12, 8 × 15	1,000	
340	200	54	10 × 8, 10 × 9, 10 × 10, 10 × 12.5, 10 × 13, 10 × 15, 10 × 16	500	
340	300	54	6.3 × 9, 6.3 × 10.5, 6.3 × 11, 6.3 × 15	2,000	
340	260	62	8 × 20	1,000	
340	200	62	10 × 20	500	
340	200	65	10 × 25	500	
330	290	65	12.5 × 12.5, 12.5 × 15, 12.5 × 20	500	
			12.5 × 25		
			18 × 15, 18 × 20, 18 × 25	250	
320	230	65	16 × 15, 16 × 20, 16 × 25	250	

● Axial lead type (Applicable standard JIS C0805)

The following code shall be put at 12th to 14th digit of the corresponding type number of capacitors.

(mm)

Taping Specifications		Case dia (ϕ)	Taping code	Qty / Reel (pcs.)
Dim. W (Tape distance)	Dim. P (Component Pitch)			
52.4	10	5	1LS	1,600
		6.3		1,300
		8		1,000
63.5	10	5	1LV	1,600
		6.3		1,300
		8		1,000
73.0	10	5	1LY	1,600
		6.3		1,300
		8		1,000
52.4	15	10	1LT	500
		13 (except 31.5L)		350
63.5	15	10	1LW	500
		13		350
73.0	15	10	1LZ	500
		13		350

Please contact us for complete information on the package dimensions for tapes axial lead capacitors.

