

**TAPING SPECIFICATIONS (Applicable standard JIS C 0806-3)**  
**SURFACE MOUNT TYPE (TAPING)**



◆CARRIER TAPE [mm]

Fig.1

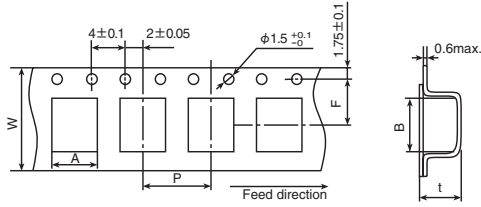


Fig.4

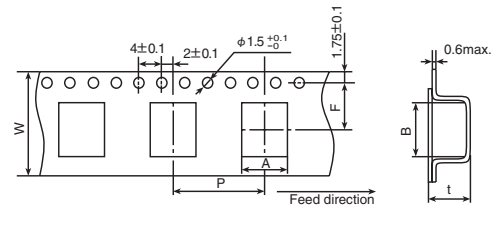


Fig.2

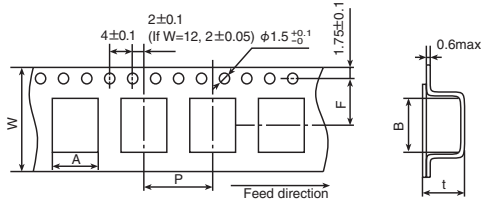
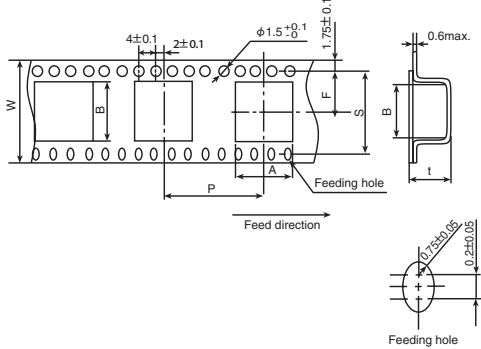


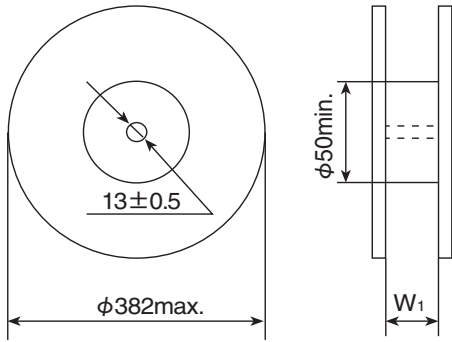
Fig.5



[mm]

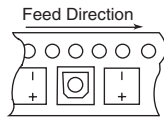
Series	Items	W	A	B	F	P	t	S	Fig.	
		±0.3	±0.2	±0.2	±0.1	±0.1	±0.2	±0.1		
Alchip™ MVE/MZT MZS/MZL MZR/MZJ MZA/MVY MZP/MZE MZK/MLA MLF/MLE MLK/MVL MVJ/MXB MHS/MVH MHL/MHB MHJ/MHK	D55	12.0	4.7	4.7	5.5	8.0	5.7	—	1	
	D60,D61	12.0	4.7	4.7	5.5	8.0	6.3	—	1	
	D73	12.0	4.6	4.6	5.5	8.0	7.5	—	1	
	E40	12.0	5.7	5.7	5.5	12.0	4.4	—	2	
	E46	12.0	5.7	5.7	5.5	12.0	4.9	—	2	
	E55	12.0	5.7	5.7	5.5	12.0	5.7	—	2	
	E60,E61	12.0	5.7	5.7	5.5	12.0	6.3	—	2	
	E73	16.0	5.7	5.7	7.5	12.0	7.5	—	2	
	F46	16.0	7.0	7.0	7.5	12.0	4.9	—	2	
	F55	16.0	7.0	7.0	7.5	12.0	5.7	—	2	
	F60,F61	16.0	7.0	7.0	7.5	12.0	6.3	—	2	
	F73	16.0	7.0	7.0	7.5	12.0	7.5	—	2	
	F80	16.0	7.0	7.0	7.5	12.0	8.2	—	2	
	F90	16.0	7.0	7.0	7.5	12.0	9.2	—	2	
	FA0	16.0	7.0	7.0	7.5	12.0	10.3	—	2	
	H63	16.0	8.7	8.7	7.5	12.0	6.8	—	2	
	H70	24.0	8.7	8.7	11.5	12.0	7.3	—	2	
	NPCAP™ PXN/PXT PXJ/PXG PXK/PXS PXF/PXE PXA/PXD PXH	H80	24.0	8.7	8.7	11.5	12.0	8.3	—	2
		HA0	24.0	8.7	8.7	11.5	16.0	11.0	—	4
HC0		24.0	8.7	8.7	11.5	16.0	12.7	—	4	
J80		24.0	10.7	10.7	11.5	16.0	8.3	—	4	
JA0		24.0	10.7	10.7	11.5	16.0	11.0	—	4	
JC0		24.0	10.7	10.7	11.5	16.0	12.8	—	4	
JC5		24.0	10.7	10.7	11.5	16.0	12.8	—	4	
Hybrid HXF HXE/HXJ HXC/HXD		JH0	32.0	10.7	10.7	14.2	24.0	17.1	28.4	5
		KE0	32.0	13.4	13.4	14.2	24.0	14.0	28.4	5
		KG5	32.0	13.4	13.4	14.2	24.0	16.5	28.4	5
	KN0	32.0	13.4	13.4	14.2	24.0	22.1	28.4	5	
	LH0	44.0	17.5	17.5	20.2	28.0	16.8	40.4	5	
	LN0	44.0	17.5	17.5	20.2	28.0	22.1	40.4	5	
	MH0	44.0	19.5	19.5	20.2	32.0	17.1	40.4	5	
MN0	44.0	19.5	19.5	20.2	32.0	22.1	40.4	5		

◆ REEL DIMENSIONS [mm]



◆ POLARITY

- Alchip™ -MVE/MZT/MZS  
MZL/MZR/MZJ  
MZA/MVY/MZF  
MZE/MZK/MLA  
MLF/MLE/MLK  
MVL/MVJ/MXB  
MHS/MVH/MHL  
MHB/MHJ/MHK
- NP CAP™ -PXN/PXT/PXJ/PXG  
PXK/PXS/PXF/PXE  
PXA/PXD/PXH
- Hybrid -HXF/HXE/HXJ/HXC  
HXD



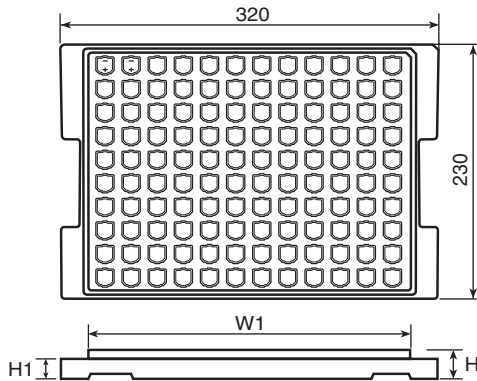
◆ QUANTITY PER REEL/BOX

Series	Size code	Quantity (pcs/reel)	Quantity (pcs/box)	W <sub>1</sub> (mm)
Alchip™	D55,D60,D61	2,000	10,000	14
	D73	1,500	7,500	14
	E55,E60,E61	1,000	5,000	14
	E73	1,000	5,000	18
	F55,F60,F61,F73	1,000	5,000	18
	F80	900	4,500	18
	F90	800	4,000	18
	H63	1,000	5,000	18
	HA0	500	1,500	26
	JA0	500	1,500	26
	JC5	400	1,200	26
	JH0	200	600	34
	KE0	250*1	750*1	34
	KG5	200*1	600*1	34
	KN0	150	450	34
	LH0	175*1	350*1	46
Hybrid	LN0	125*1	250*1	46
	MH0	150*1	300*1	46
	MN0	100*1	200*1	46
	E40,E46,E61	1,000	10,000	14
NPCAP™	F46,F61	1,000	7,000	18
	F80	900	6,300	18
	FA0	750	5,250	18
	H70	1,000	6,000	26
	H80	900	5,400	26
	HA0	500	3,000	26
	HC0	400	1,200	26
	J80	500	3,000	26
	JA0	500	3,000	26
	JC0	400	1,200	26

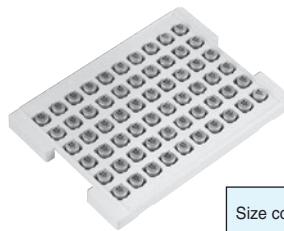
\*1 : Changed the packing quantity. (Size Code : KE0 to MN0)

**SURFACE MOUNT TYPE (TRAY)**

◆ DIMENSIONS [mm]



● TRAY CODE : TR

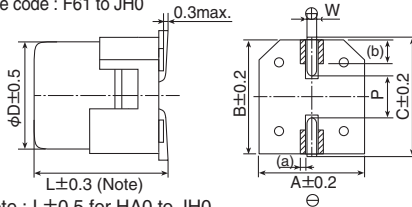


Size code	H [mm]	W <sub>1</sub> [mm]	H <sub>1</sub> [mm]	Quantity [pcs/tray]	Quantity [pcs/box]
KE0 & KG5	21.0	284	18.5	120	600
LH0 & LN0	28.0	284	24.0	80	400
MH0 & MN0	28.0	284	24.0	60	300

**VIBRATION RESISTANT STRUCTURE (Terminal code : G)**

◆ DIMENSIONS [mm]

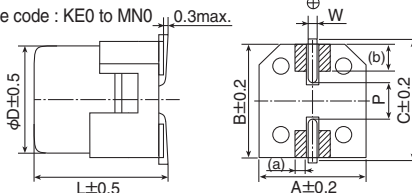
- Terminal code : G
- Size code : F61 to JH0



Note : L±0.5 for HA0 to JH0

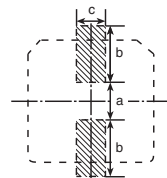
⊗ : Dummy terminals

- Size code : KE0 to MN0



⊗ : Dummy terminals

◆ RECOMMENDED SOLDER LAND



⊗ Solder land on PC board

The vibration resistant model supports the vibration condition of 30G. Since vibration is affected by solder thickness and other characteristics and conditions, please contact us for details.

Size code	Dimensions of products (mm)								Solder land (mm)			
	D	L	A	B	C	W	P	(a)	(b)	a	b	c
F61	6.3	5.8	6.6	6.6	7.2	0.5 to 0.8	1.9	(0.7)	(1.4)	1.9	3.5	3.3
F80	6.3	7.7	6.6	6.6	7.2	0.5 to 0.8	1.9	(0.7)	(1.4)	1.9	3.5	3.3
HA0	8.0	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1	(0.5)	(1.8)	3.1	4.2	3.5
JA0	10.0	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5	(0.5)	(2.1)	4.5	4.4	3.5
JC5	10.0	12.5	10.3	10.3	11.0	0.7 to 1.1	4.5	(0.5)	(2.1)	4.5	4.4	3.5
JH0	10.0	16.5	10.3	10.3	11.0	1.0 to 1.3	4.2	(0.5)	(2.1)	4.0	4.7	3.8
KE0	12.5	13.5	13.0	13.0	13.7	1.0 to 1.3	4.2	(1.3)	(3.0)	3.4	6.3	9.3
KG5	12.5	16.0	13.0	13.0	13.7	1.0 to 1.3	4.2	(1.3)	(3.0)	3.4	6.3	9.3
KN0	12.5	21.5	13.0	13.0	13.7	1.0 to 1.3	4.2	(1.3)	(3.0)	3.4	6.3	9.3
LH0	16.0	16.5	17.0	17.0	18.0	1.0 to 1.3	6.5	(2.0)	(3.0)	4.7	7.8	9.6
LN0	16.0	21.5	17.0	17.0	18.0	1.0 to 1.3	6.5	(2.0)	(3.0)	4.7	7.8	9.6
MH0	18.0	16.5	19.0	19.0	20.0	1.0 to 1.3	6.5	(2.0)	(4.0)	4.7	8.8	9.6
MN0	18.0	21.5	19.0	19.0	20.0	1.0 to 1.3	6.5	(2.0)	(4.0)	4.7	8.8	9.6

( ); Ref.

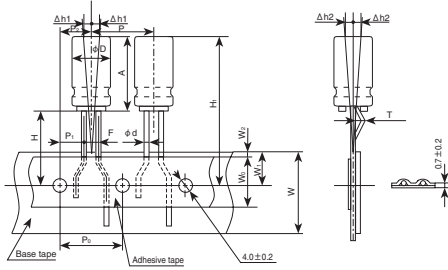
# RADIAL LEAD TYPE TAPING SPECIFICATIONS (Applicable standard JIS C 0806-2)

## Conductive Polymer Aluminum Solid Capacitors Conductive Polymer Hybrid Aluminum Electrolytic Capacitors

### ◆ DIMENSION [mm]

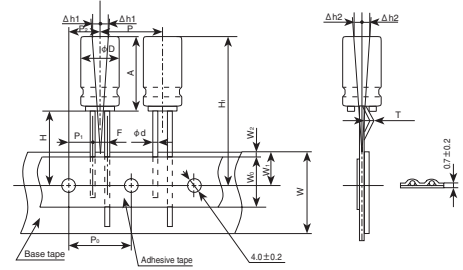
**Fig.1**

Taping Code : TX  
φD=φ5



**Fig.2**

Taping Code : TD  
φD=φ6.3 to 10

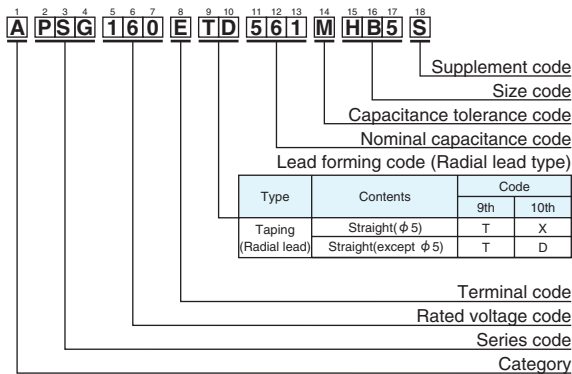


Code	Taping Code	Case size		φd	P	P <sub>0</sub>	P <sub>1</sub>	P <sub>2</sub>	F	W	W <sub>0</sub>	W <sub>1</sub>	W <sub>2</sub>	H	H <sub>1</sub>	φD <sub>0</sub>	Δh <sub>1</sub>	Δh <sub>2</sub>	t	T	Fig
		φD	A																		
tol.	—	—	—	±0.05	±1.0	±0.2	±0.7	±1.0	$\begin{matrix} +0.2 \\ -0.2 \end{matrix}$	±0.5	min.	±0.5	max.	±0.75	max.	±0.2	±2.0	±2.0	±0.3	±1.0	
Nominal	TX	5	8	0.5	12.7	12.7	5.35	6.35	2.0 <sup>+2</sup>	18	10	9.0	2.5	18.5	28.25	4.0	0	0	0.7	0	1
		6.3	5	0.45	12.7	12.7	5.1	6.35	2.5	18	10	9.0	2.5	18.5	28.25	4.0	0	0	0.7	0	2
	TD	6.3	8	0.6	12.7	12.7	5.1	6.35	2.5	18	10	9.0	2.5	18.5	28.75 <sup>+1</sup>	4.0	0	0	0.7	0	2
		8	8	0.6	12.7	12.7	4.6	6.35	3.5	18	10	9.0	2.5	20.0	29.75	4.0	0	0	0.7	0	2
		8	11.5	0.6 <sup>+1</sup>	12.7	12.7	4.6	6.35	3.5	18	10	9.0	2.5	20.0	33.75	4.0	0	0	0.7	0	2
		8	16	0.6	12.7	12.7	4.6	6.35	3.5	18	10	9.0	2.5	20.0	38.25	4.0	0	0	0.7	0	2
		8	20	0.6	12.7	12.7	4.6	6.35	3.5	18	10	9.0	2.5	20.0	42.25	4.0	0	0	0.7	0	2
		10	10.5	0.6	12.7	12.7	3.85	6.35	5.0	18	10	9.0	2.5	18.5	30.75	4.0	0	0	0.7	0	2
		10	11.5	0.6 <sup>+1</sup>	12.7	12.7	3.85	6.35	5.0	18	10	9.0	2.5	18.5	32.25	4.0	0	0	0.7	0	2
		10	12.5	0.6	12.7	12.7	3.85	6.35	5.0	18	10	9.0	2.5	18.5	33.25	4.0	0	0	0.7	0	2
		10	16	0.6	12.7	12.7	3.85	6.35	5.0	18	10	9.0	2.5	18.5	36.75	4.0	0	0	0.7	0	2
10	20	0.6	12.7	12.7	3.85	6.35	5.0	18	10	9.0	2.5	18.5	40.75	4.0	0	0	0.7	0	2		

\* 1 : Each product family has different value. Please refer to each page.  
\* 2 : For case size φ5×8 (Taping code : TX), H dimension shall be 2.0<sup>+0.5/-0.2</sup>.

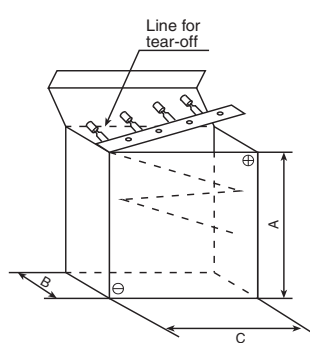
### TAPING CODE

#### Example



### QUANTITY PER AMMO PACK

#### Ammo pack box



#### Typical example

Case size φD×L(mm)	A (mm)	B (mm)	C (mm)	Quantity (pcs.)	
φ5 L=8mm	240	51	336	2,000	
φ6.3 L=5 & 8mm	285	51	336	2,000	
	L=8 to 11.5mm	240	51		336
φ8 L=16mm	240	56	336	1,000	
	L=20mm	240	62		336
φ10 L=10.5 to 12.5mm	190	51	337	500	
	L=16mm	308	56		337
	L=20mm	308	62		337



## RADIAL LEAD TYPE (CUT/FORMED LEAD)

The following lead configurations are available. When ordering, please indicate the type of lead configurations by using the appropriate supplement code, such as C3, FC, MC or RC in the product part number.

Terminal type	Size	Terminal type	Size												
<p>●Lead code : FC (Forming Cut type)</p>	φD=5 to 8	<p>●Lead code : C3 (Cutting type)</p> <p>Dimension (C)</p> <ul style="list-style-type: none"> <li>• φD= 5 to 8: C3: 3.5±0.5(Second standard C5: 5.0±0.5)</li> <li>• φD=10 to 18: C3: 3.5±0.5(Second standard C5: 5.0±0.5)</li> </ul>	φD=5 to 18												
<p>●Lead code : FM (Snap-in type)</p>	φD=5 to 8	<p>●Lead code : MC (Snap-in type)</p>	φD=10 to 18												
<p>●Lead code : BC (Horizontal type)*3</p> <p>Dimension (P)</p> <ul style="list-style-type: none"> <li>• φ10, φ12.5 : P=5.0±0.5</li> <li>• φ14.5, φ16, φ18 : P=7.5±0.5</li> </ul>	φD=10 to 18	<p>●Lead code : BD (Horizontal type)*3</p> <p>Dimension (P)</p> <ul style="list-style-type: none"> <li>• φ10, φ12.5 : P=5.0±0.5</li> <li>• φ14.5, φ16, φ18 : P=7.5±0.5</li> </ul>	φD=10 to 18												
<p>●Lead code : IJ (Forming Cut type)</p> <p>Dimension</p> <table border="1"> <thead> <tr> <th>φD</th> <th>A · B</th> <th>φd</th> <th>P</th> </tr> </thead> <tbody> <tr> <td>10 to 12.5</td> <td>3.2±0.5</td> <td>0.6</td> <td>5.0±0.5</td> </tr> <tr> <td>14.5 to 18</td> <td>3.2±0.5</td> <td>0.8</td> <td>7.5±0.5</td> </tr> </tbody> </table>	φD	A · B	φd	P	10 to 12.5	3.2±0.5	0.6	5.0±0.5	14.5 to 18	3.2±0.5	0.8	7.5±0.5	φD=10 to 18	<p>*1 Please consult with us about other terminal forming.</p> <p>*2 Please refer to dimensions of each series for gas escape end seal style.</p> <p>*3 Conventionally, lead forming code is used in common by (BC) for two type of the lead bent directions. We added lead forming code (BD) newly and clarified the lead bent directions. Please place an order after the choice for an appropriate lead forming code depending on condition of use.</p>	
φD	A · B	φd	P												
10 to 12.5	3.2±0.5	0.6	5.0±0.5												
14.5 to 18	3.2±0.5	0.8	7.5±0.5												

**◆DIMENSION (P) [mm]**

Size	Lead forming	Cutting type		Snap-in type	
		FC	C3(C5)	FM	MC
φ5		5.0	2.0	5.0	—
φ6.3		5.0	2.5	5.0	—
φ8		5.0	3.5	5.0	—
φ10		—	5.0	—	5.0
φ12.5		—	5.0	—	5.0
φ14.5		—	7.5	—	7.5
φ16		—	7.5	—	7.5
φ18		—	7.5	—	7.5

\*4 Please refer to dimensions of each series for lead-wire diameter (φd).