



PACKAGING

MINIMUM ORDER QUANTITY

Please order by units of minimum order quantity.

◆SURFACE MOUNT

●Horizontal



Series	Size code	Quantity (pcs)
Alchip™ MF/MFK	A50	3,000
	B50	3,000
	C50	2,500
	D60, D70, D90, DC5	2,500
	HF0, HL0, HR0	500

●Vertical



Series	Size code	Quantity (pcs)	
		Taping	Tray
Alchip™ MVS/MVA/MV/ MVK/MVY/MVJ MVH/MVE/MVL MKA/MVZ/MZA	B55	2,000	—
	D46, D55, D60, D61	2,000	—
	E46, E55, E60, E61	1,000	—
	F46, F55, F60, F61	1,000	—
	F80	900	—
	H63, H70	1,000	—
	HA0	500	—
	HC0	400	—
	J80, JA0	500	—
	JC0	400	—
	KE0	200	120
NP CAP™ PXC/PXA/PXH	KG5	150	120
	LH0, LN0	*	80
	MH0, MN0	*	60

* Regarding to taping for LH0/LN0/MH0/MN0, please consult us.

◆RADIAL



Size	Quantity (pcs)	
	Bulk*1	Taping
φ3 (φ3.5)	200	3,000
φ4	200	2,000
φ5	200	2,000
φ6.3	200 (200) ²	2,000 (2,000) ²
φ8	200 (100) ²	1,000 (1,000) ²
φ10	Height ≤ 25mm	200 (100) ² 800 (500) ²
	Height ≥ 30mm	200 500
φ12.5	100	500
φ14.5	50	250
φ16	50	250
φ18	50	250

*1 The quantity of bulk is a typical example.

*2 Minimum order quantity for PSA/ PS series.

◆SNAP-INS

200 pieces



TAPING SPECIFICATIONS

SURFACE MOUNT TYPE (TAPING)



◆CARRIER TAPE [mm]

Fig.1

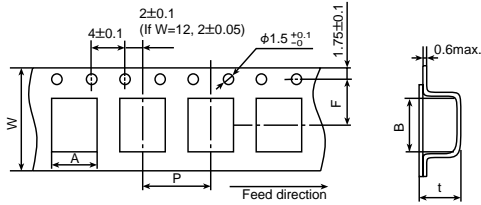


Fig.2

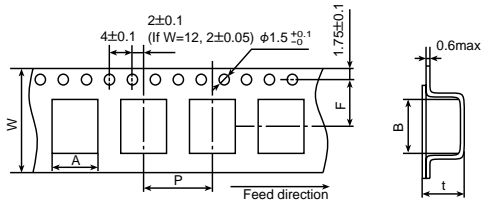


Fig.3

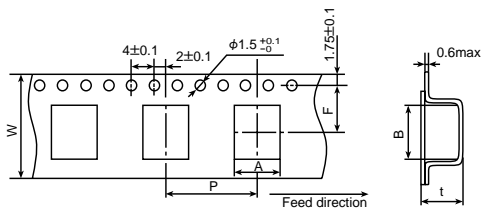


Fig.4

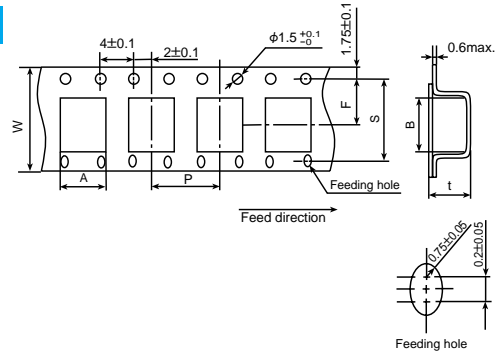
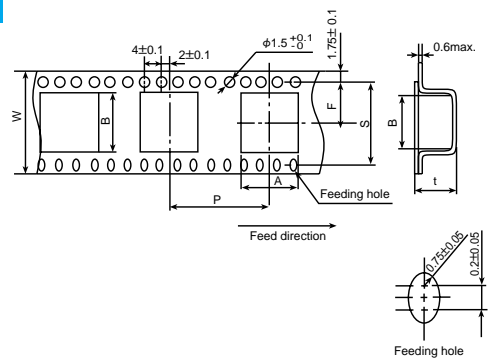


Fig.5

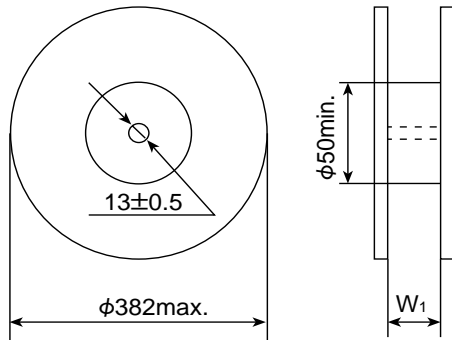


[mm]

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™ MF/MFK	A50	12.0	3.7	6.7	5.5	8.0	3.5	—	1	
	B50	12.0	4.2	6.7	5.5	8.0	4.0	—	1	
	C50	12.0	4.7	6.7	5.5	8.0	4.5	—	1	
	D50	12.0	5.2	6.7	5.5	8.0	5.0	—	1	
	D70	16.0	5.2	8.7	7.5	8.0	5.0	—	1	
	D90	16.0	5.2	10.7	7.5	8.0	5.0	—	1	
	DC5	24.0	5.2	13.7	11.5	8.0	5.0	—	1	
	HF0	24.0	9.2	17.3	11.5	16.0	9.9	—	3	
	HL0	32.0	9.2	21.8	14.2	16.0	9.9	28.4	4	
HR0	44.0	9.2	26.8	20.2	16.0	9.9	40.4	4		
Alchip™ MVS/MVA MVE/MV MVK/MVY MVJ/MVH MVL/MKA MVZ/MZA	B55	12.0	3.5	3.5	5.5	8.0	5.9	—	1	
	D46	12.0	4.7	4.7	5.5	8.0	4.9	—	1	
	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	
	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	
	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	
	F80	16.0	7.0	7.0	7.5	12.0	8.2	—	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	7.2	—	2	
	NPCAP™ PXC/PXA PXH	HA0	24.0	8.7	8.7	11.5	16.0	11.0	—	3
		HC0	24.0	8.7	8.7	11.5	16.0	12.8	—	3
		J80	24.0	10.7	10.7	11.5	16.0	8.2	—	3
JA0		24.0	10.7	10.7	11.5	16.0	11.0	—	3	
JC0		24.0	10.7	10.7	11.5	16.0	12.8	—	3	
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	

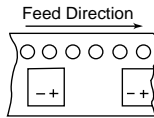
* Regarding to taping for LH0/LN0/MH0/MN0, please consult us.

◆ REEL DIMENSIONS [mm]

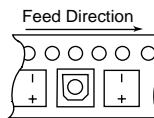


◆ POLARITY

Alchip™- MF/MFK
(Horizontal)



Alchip™- MVS/MV/MVK
(Vertical)
MVY/MVJ/MVH/
MVE/MVL/MKA/
MVZ/MZA



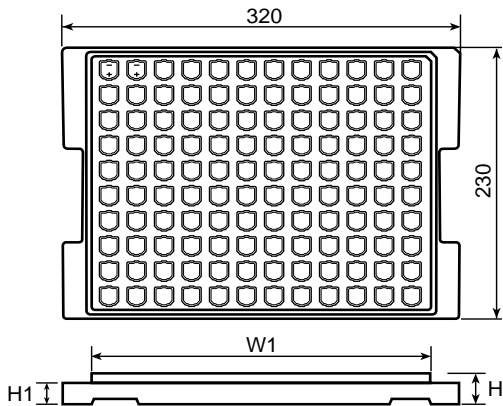
NP CAP™ PXC/PXA/PXH

◆ QUANTITY PER REEL/BOX

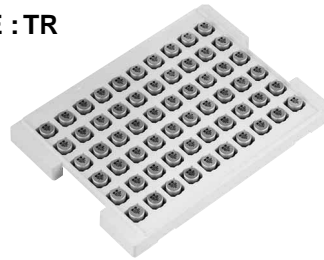
Series	Size code	Quantity (pcs/reel)	Quantity (pcs/box)	W ₁ (mm)
Alchip™ MF/MFK	A50	3,000	15,000	14
	B50	3,000	15,000	14
	C50	2,500	12,500	14
	D50	2,500	12,500	14
	D70,D90	2,500	12,500	18
	DC5	2,500	7,500	26
	HF0	500	1,500	26
	HL0	500	1,000	34
	HR0	500	1,000	46
	Alchip™ MVS/MVA MV/MVK MVY/MVJ MVH/MVE MVL/MKA MVZ/MZA	B55	2,000	10,000
D46,D55,D60,D61		2,000	10,000	14
E46,E55,E60,E61		1,000	5,000	14
F46,F55,F60,F61		1,000	5,000	18
F80		900	4,500	18
H63		1,000	5,000	18
HA0		500	1,500	26
JA0		500	1,500	26
KE0		200	600	34
KG5		150	450	34
NPCAP™ PXC/PXA PXH	E60	1,000	10,000	14
	F55,F60	1,000	7,000	18
	H70	1,000	6,000	26
	HC0	400	1,200	26
	J80	500	3,000	26
	JC0	400	1,200	26

SURFACE MOUNT TYPE (TRAY)

◆ DIMENSIONS [mm]



● TRAY CODE : TR

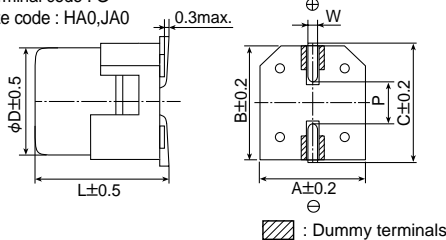


Size code	H [mm]	W ₁ [mm]	H ₁ [mm]	Quantity [pcs/tray]	Quantity [pcs/box]
KE0 & KG5	21.0	284	18.5	120	600
LH0 & LN0	28.0	284	24.0	80	400
MH0 & MN0	28.0	284	24.0	60	300

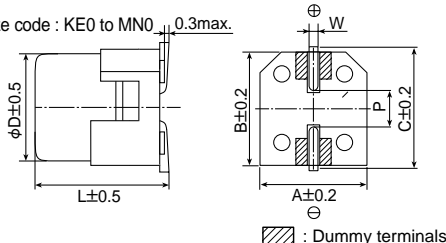
VIBRATION PROOF STRUCTURE (Terminal code : G)

◆ DIMENSIONS [mm]

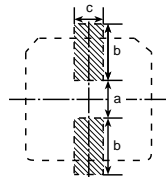
- Terminal code : G
- Size code : HA0,JA0



- Size code : KE0 to MN0



◆ RECOMMENDED SOLDER LAND



▨ Solder land on PC board

Size code	Dimensions of products							Solder land		
	D	L	A	B	C	W	P	a	b	c
HA0	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1	3.1	4.2	3.5
JA0	10	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5	4.5	4.4	3.5
KE0	12.5	13.5	13.0	13.0	13.7	1.0 to 1.3	4.2	3.4	6.3	5.1
KG5	12.5	16.0	13.0	13.0	13.7	1.0 to 1.3	4.2	3.4	6.3	5.1
LH0	16	16.5	17.0	17.0	18.0	1.0 to 1.3	6.5	4.7	7.8	6.5
LN0	16	21.5	17.0	17.0	18.0	1.0 to 1.3	6.5	4.7	7.8	6.5
MH0	18	16.5	19.0	19.0	20.0	1.0 to 1.3	6.5	4.7	8.8	6.5
MN0	18	21.5	19.0	19.0	20.0	1.0 to 1.3	6.5	4.7	8.8	6.5

TAPING SPECIFICATIONS
RADIAL LEAD TYPE (TAPING)



◆CARRIER TAPE [mm]

Fig.1

Taping Code : TA, TC
φD=φ3 to 8

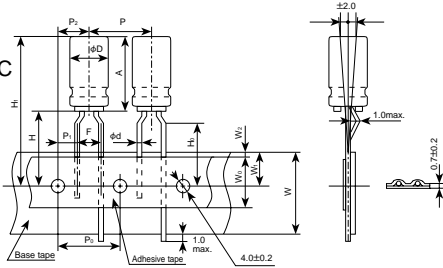


Fig.2

Taping Code : TD
φD=φ5
φD×L=φ4×7

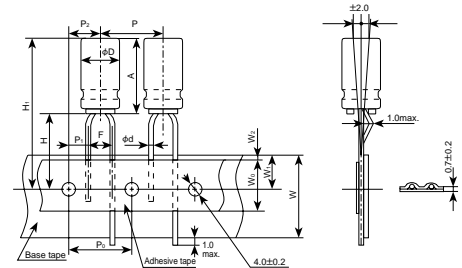


Fig.3

Taping Code : TD
φD=φ6.3 to 12.5

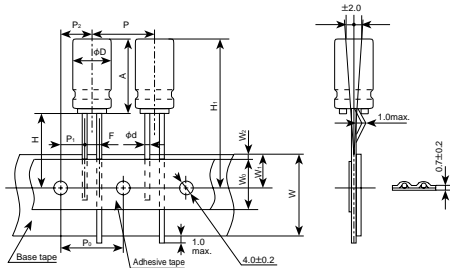
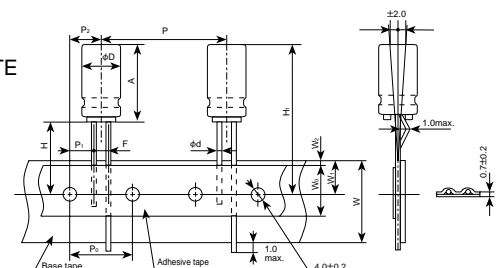


Fig.4

Taping Code : TE
φD=φ12.5



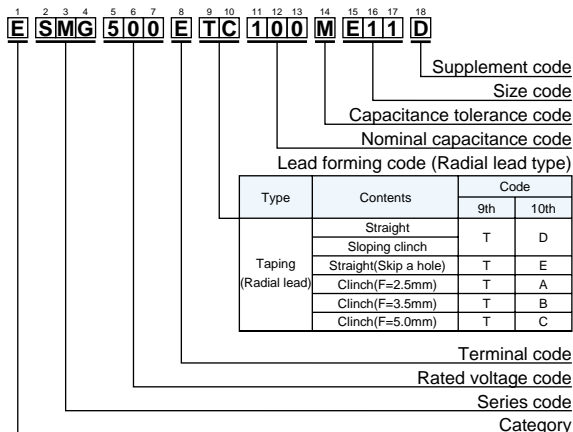
Code	Taping Code	Case size		φd	P	P ₀	P ₁	P ₂	F	W	W ₀	W ₁	W ₂	H	H ₀	H ₁	Fig.
		φD	A														
tol.		—	—	±0.05	±1.0	±0.2	±0.7	±1.0	+0.8 -0.2	±0.5	min.	±0.5	max.	±0.75	±0.5		
Nominal	TA	3	5	0.4	12.7	12.7	5.1	6.35	2.5	18.0	6.0	9.0	1.5	17.5	16.0		1
	TA	3.5	5	0.4	12.7	12.7	5.1	6.35	2.5	18.0	6.0	9.0	1.5	17.5	16.0		1
	TD	4	5 to 7	0.45	12.7	12.7	5.1	6.35	2.5	18.0	6.0	9.0	1.5	17.5	16.0		2
	TC						3.85		5					1			
	TD	9 to 11.5	0.45	12.7	12.7	5.1	6.35	2.5	18.0	10.0	9.0	1.5	17.5	16.0		1	
	TC					3.85		5					2				
	TD	5	5 to 7	0.45	12.7	12.7	5.1	6.35	2.5	18.0	6.0	9.0	1.5	18.5	16.0		2
	TC						3.85		5					1			
	TD	9 to 15	0.5	12.7	12.7	5.1	6.35	2.5	18.0	10.0	9.0	1.5	18.5	16.0		2	
	TC					3.85		5					1				
	TD	6.3	5 to 7	0.45	12.7	12.7	5.1	6.35	2.5	18.0	6.0	9.0	1.5	18.5	16.0		3
	TC						3.85		5					1			
TD	9 to 15	0.5	12.7	12.7	5.1	6.35	2.5	18.0	10.0	9.0	1.5	18.5	16.0		3		
TC					3.85		5					1					
TD	8	5	0.45	12.7	12.7	5.1	6.35	2.5	18.0	6.0	9.0	1.5	18.5	16.0		3	
TC						3.85		5					1				
TC	8	7	0.45	12.7	12.7	3.85	6.35	5	18.0	6.0	9.0	1.5	17.5	16.0		1	
TD						9 to 20		0.6					12.7		12.7	3.85	6.35
TC	5	1															
tol.		±0.5	max.	±0.05	±1.0	±0.3	±0.7	±1.3	+0.8 -0.2	±0.5	min.	±0.5	max.	+2.0 -0	—		
Nominal	TD	10	21	0.6	12.7	12.7	3.85	6.35	5	18.0	12.5	9.0	1.5	18.0	—		3
	TD	12.5	26	0.6	15	15	5.0	7.5	5	18.0	12.5	9.0	1.5	18.0	—		3
	TE				25.4	12.7	3.85	6.35	5	18.0	12.5	9.0	1.5	18.0	—		4

Check insertion machine specs.
H1=H+A

* 1 : For φ4×7 (A=7, F=25), shall be 18.5^{-0.5/+0.75} (Taping code : TD) at Fig.2.
* 2 : P=15 taping is not standard. Use P=25.4 taping.

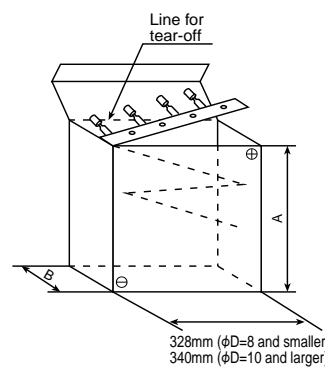
TAPING CODE

Example



QUANTITY PER AMMO PACK

Ammo pack box



Typical example

Case size φD × L (mm)	A (mm)	B (mm)	Quantity (pcs.)
φ3	216	42	3,000
	216	42	3,000
φ4	L=5 & 7mm	183	42
	L=11.5mm	183	51
φ5	L=5 & 7mm	232	42
	L=9 to 15mm	232	51
φ6.3	L=5 & 7mm	282	42
	L=9 to 15mm	284	51
φ7	L=5 & 7mm	284	55
	L=17mm	284	55
φ8	L=5 & 7mm	183	42
	L=9 to 15mm	232	42
φ10	L=5 & 7mm	232	51
	L=9 to 15mm	232	51
φ12.5	L=17 & 20mm	235	53
	L≥25mm	308	62
	L≥30mm	308	67
		308	500

*Minimum order quantity for PSA/PS series

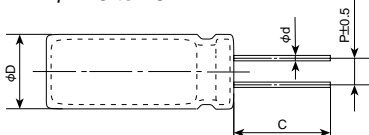
RADIAL LEAD TYPE (CUT/FORMED LEAD)

The following lead configurations are available upon request. When ordering, please indicate the type of lead configurations by using the appropriate supplement code, such as C5, FC, MC or RC in the product part number.

[mm]

●Lead code : C5

$\phi D=3$ to 18



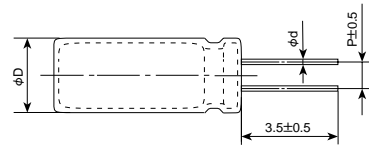
Case diameter C:Lead length

$\phi D=3$ to 8 : 5.0 ± 0.5

$\phi D=10$ to 18 : $5.0^{+1.0}_{-0}$

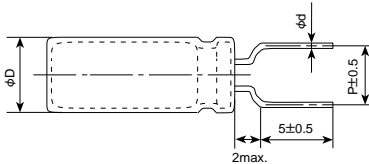
●Lead code : C3

$\phi D=3$ to 18



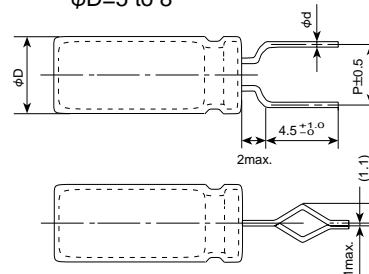
●Lead code : FC

$\phi D=5$ to 8



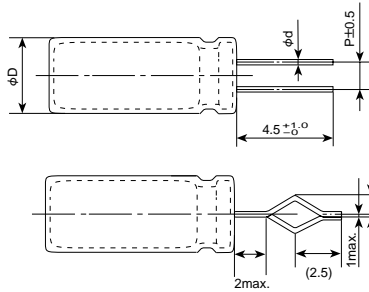
●Lead code : FM

$\phi D=5$ to 8



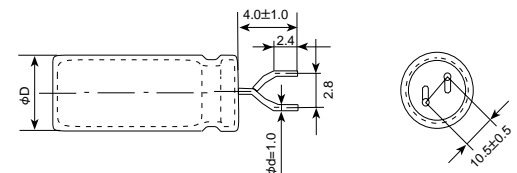
●Lead code : MC

$\phi D=10$ to 18



●Lead code : RC

$\phi D=20$ & 22



●Lead code : BC

$\phi D=10, 12.5$: $P=5.0 \pm 0.5$

$\phi D=14.5, 16, 18$: $P=7.5 \pm 0.5$

