

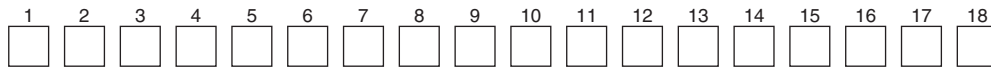


# PART NUMBERING SYSTEM

## Part numbering system

Our part numbering system is common to all of Nippon Chemi-Con's subsidiaries worldwide, and has been switching the conventional part numbering system. The part number uses 18-digit codes to express information of principal product specifications such as product category, series name, rated voltage, capacitance, case size and RoHS compliance.

### ●Categories



Code	Details
<b>A</b>	Conductive Polymer Aluminum Solid Capacitors (Polar)
<b>E</b>	Aluminum Electrolytic Capacitors (Polar)
<b>B</b>	Aluminum Electrolytic Capacitors (Bi-polar)
<b>K</b>	Multilayer Ceramic Capacitors
<b>F,W</b>	Film Capacitors
<b>D</b>	Electric Double Layer Capacitors
<b>T</b>	Metal Oxide Varistors
<b>L</b>	Amorphous Choke Coils

\* For digits 2 to 18, please see "Product code guide".

### ●Example

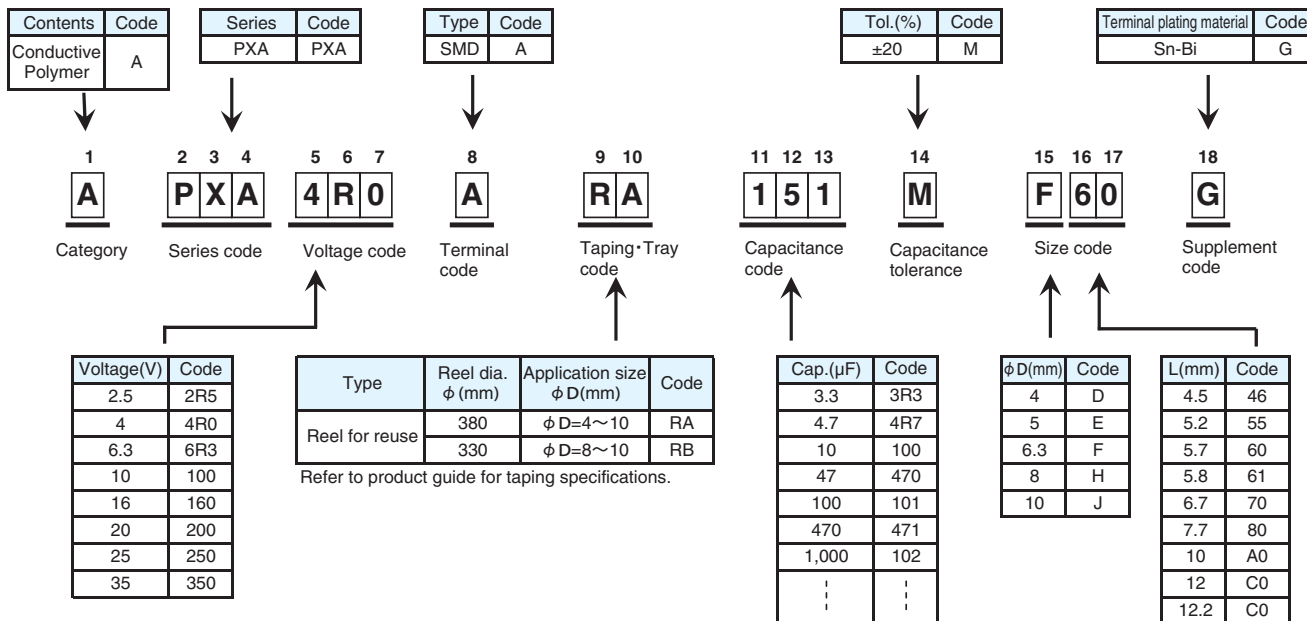
Product type	Part number (Example)	Conventional part number (Ref.)
Surface mount type	EMVE160ADA100MD55G	MVE16VC10MD55E0
Radial lead type	EKMQ6R3ETC102MHB5D	TC04RKMQ6.3VB1000MF50E0
Snap-in type	EKMQ201VSN471MP30S	KMQ200VSSN470M22BE0
Screw mount terminal type	ERWE551LGC821MCD0M	RWE550LGSN820MCC13EA

## Product code guide (Conductive polymer Surface mount type)

(Example : PXA series, 4V-150 $\mu$ F,  $\phi$ 6.3 $\times$ 5.7L)



Please refer to the following table

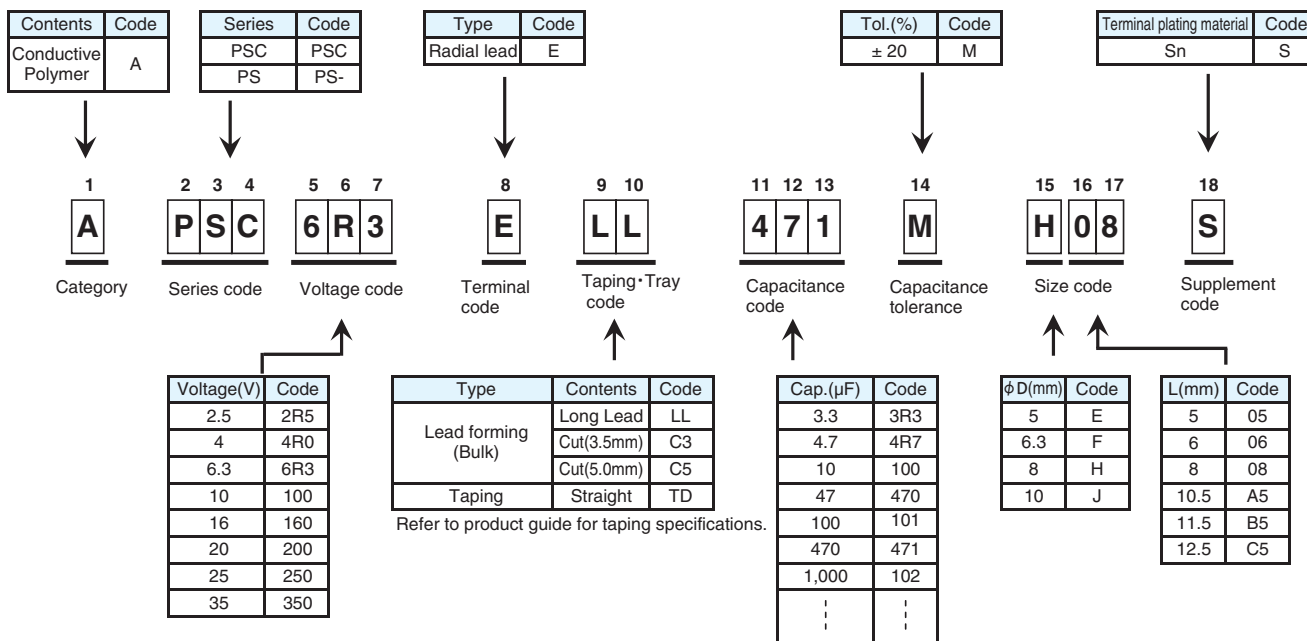


\*Refer to the appendix (Part number) for codes not listed here.

## Product code guide (Conductive polymer Radial lead type)

(Example : PSC series, 6.3V-470 $\mu$ F,  $\phi$ 8 $\times$ 8L, Long Lead with bulk)

Please refer to the following table



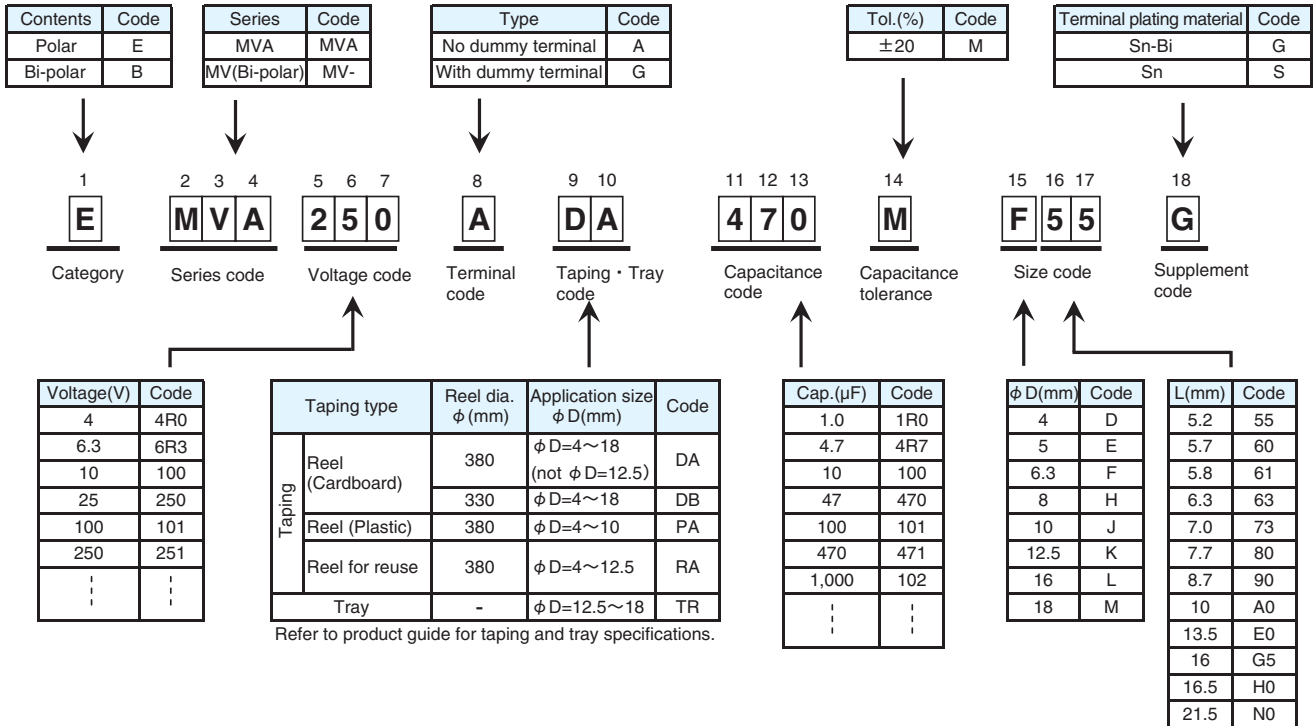
\*Refer to the appendix (Part number) for codes not listed here.

## Product code guide (Surface mount type)

(Example : MVA series, 25V-47 $\mu$ F,  $\phi$ 6.3 $\times$ 5.2L)



Please refer to the following table



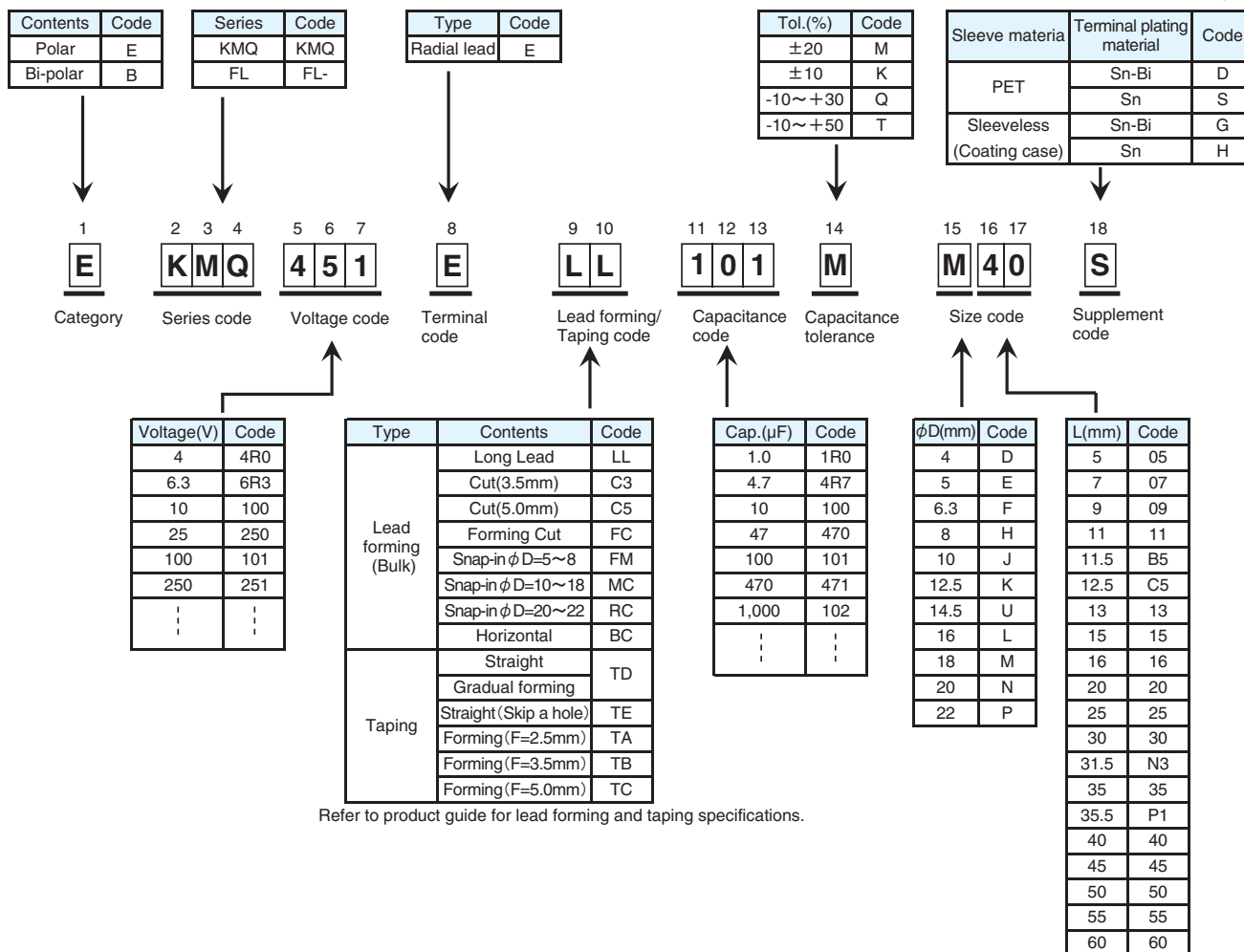
\*Refer to the appendix (Part number) for codes not listed here.

## Product code guide (Radial lead type)

(Example : KMQ series, 450V-100 $\mu$ F,  $\phi$ 18 $\times$ 40L, Long lead with bulk)



Please refer to the following table



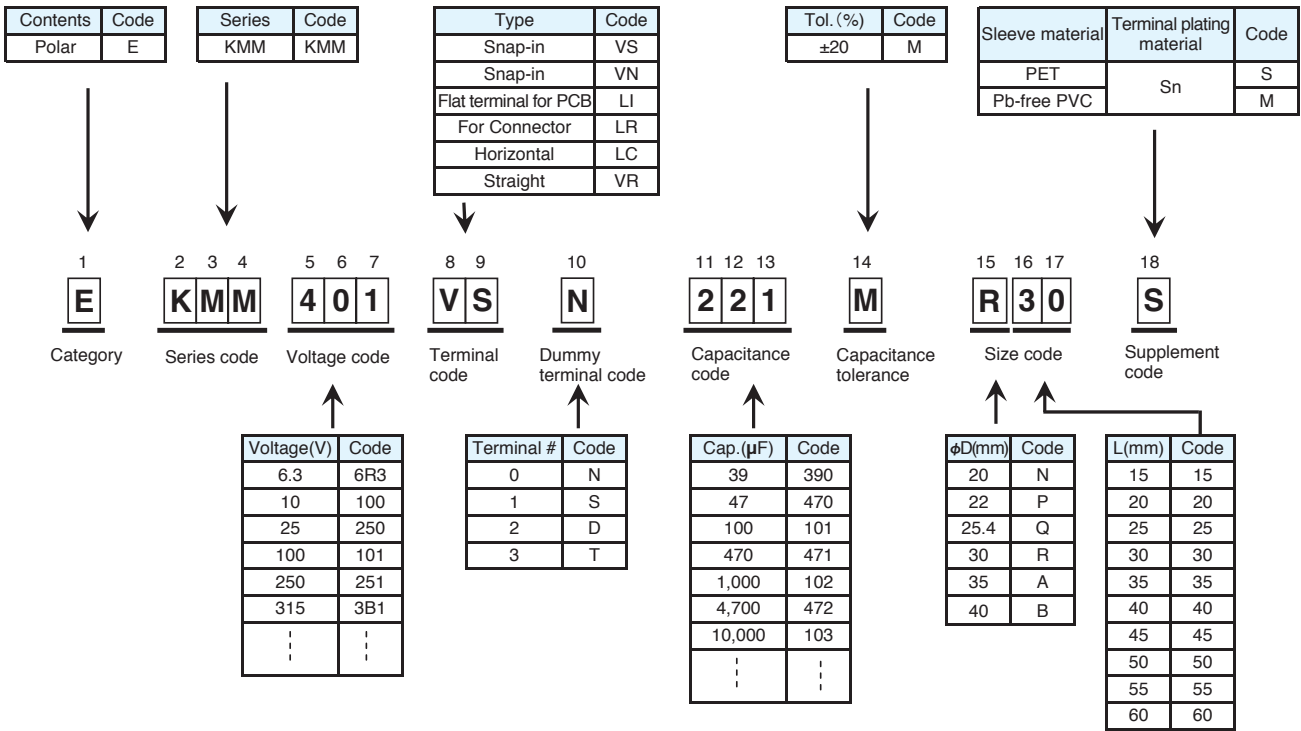
Refer to product guide for lead forming and taping specifications.

\*Refer to the appendix (Part number) for codes not listed here.

**Product code guide (Snap-in type)**

(Example : KMM series, 400V-220 $\mu$ F,  $\phi$ 30 $\times$ 30L)

Please refer to the following table



\*Refer to the appendix (Part number) for codes not listed here.



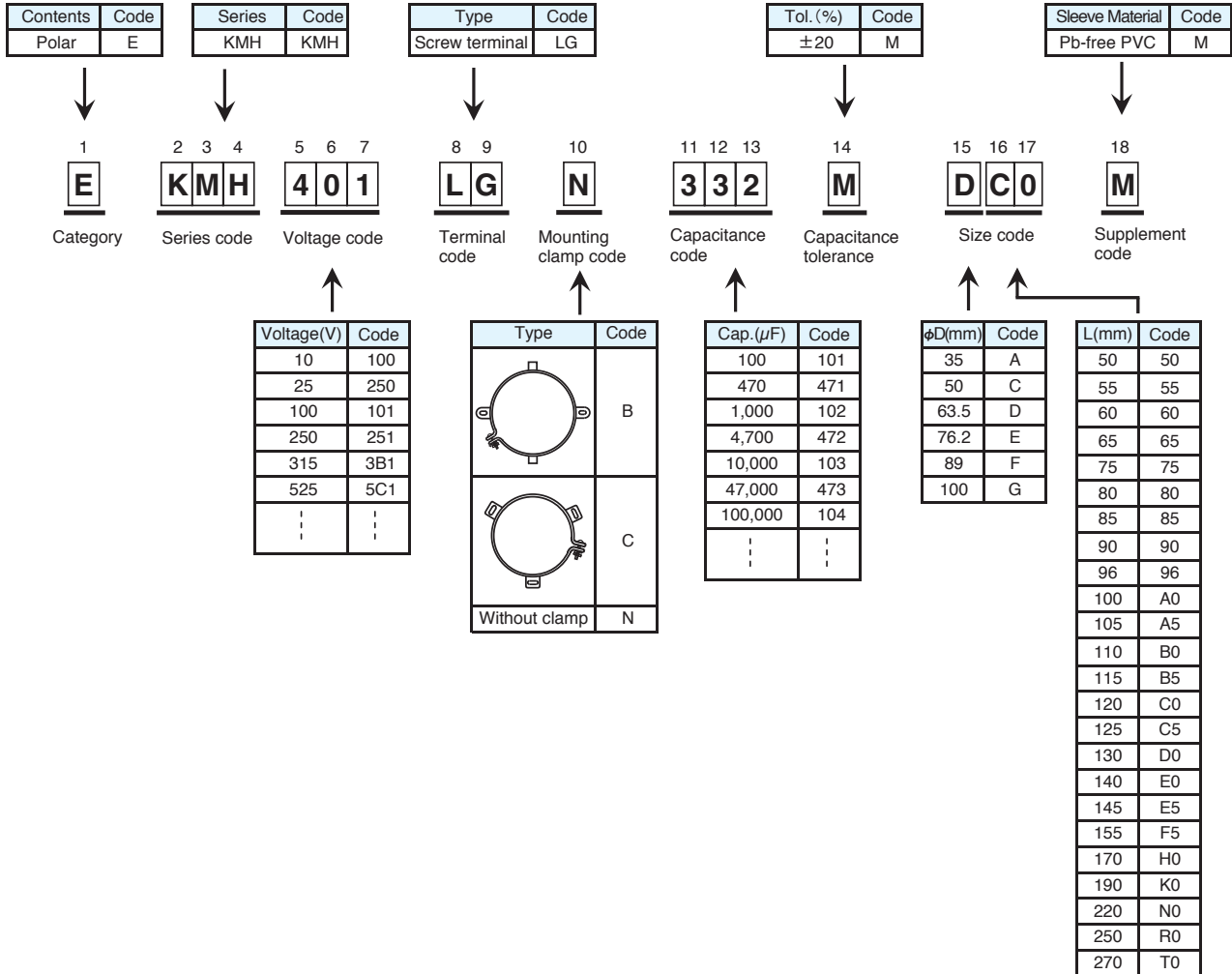
# PART NUMBERING SYSTEM

## Product code guide (Screw mount terminal type)

(Example : KMH series, 400V-3,300 $\mu$ F,  $\phi$  63.5 $\times$ 120L, Without mounting clamp)



Please refer to the following table



\*Refer to the appendix (Part number) for codes not listed here.

# Appendix

## Appendix (Part number)

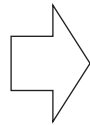
### ◆Capacitance code

\* How to use the table

	1st
2nd	Cap. Value

Capacitance value part

2nd	1st								
	1	2	3	4	5	6	7	8	9
0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
A	10.5	20.5	30.5	40.5	50.5	60.5	70.5	80.5	90.5
1	11.0	21.0	31.0	41.0	51.0	61.0	71.0	81.0	91.0
B	11.5	21.5	31.5	41.5	51.5	61.5	71.5	81.5	91.5
2	12.0	22.0	32.0	42.0	52.0	62.0	72.0	82.0	92.0
C	12.5	22.5	32.5	42.5	52.5	62.5	72.5	82.5	92.5
3	13.0	23.0	33.0	43.0	53.0	63.0	73.0	83.0	93.0
D	13.5	23.5	33.5	43.5	53.5	63.5	73.5	83.5	93.5
4	14.0	24.0	34.0	44.0	54.0	64.0	74.0	84.0	94.0
E	14.5	24.5	34.5	44.5	54.5	64.5	74.5	84.5	94.5
5	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0	95.0
F	15.5	25.5	35.5	45.5	55.5	65.5	75.5	85.5	95.5
6	16.0	26.0	36.0	46.0	56.0	66.0	76.0	86.0	96.0
G	16.5	26.5	36.5	46.5	56.5	66.5	76.5	86.5	96.5
7	17.0	27.0	37.0	47.0	57.0	67.0	77.0	87.0	97.0
H	17.5	27.5	37.5	47.5	57.5	67.5	77.5	87.5	97.5
8	18.0	28.0	38.0	48.0	58.0	68.0	78.0	88.0	98.0
J	18.5	28.5	38.5	48.5	58.5	68.5	78.5	88.5	98.5
9	19.0	29.0	39.0	49.0	59.0	69.0	79.0	89.0	99.0
K	19.5	29.5	39.5	49.5	59.5	69.5	79.5	89.5	99.5



For less than 10 $\mu$ F, a decimal point position is displayed with R.

For 10 $\mu$ F or more, capacitance code is set to the first 2 digits and index (1digit).

Treatment of fraction (Refer to the table)

Example of conversion

Real cap.	The first 2 digits	Treatment of fraction	Code		
			11th	12th	13th
10.0 $\mu$ F →	10.0 →	10.0 →	1	0	0
10.1 $\mu$ F →	10.1 →	10.0 →	1	0	0
10.2 $\mu$ F →	10.2 →	10.0 →	1	0	0
10.3 $\mu$ F →	10.3 →	10.5 →	1	A	0
10.4 $\mu$ F →	10.4 →	10.5 →	1	A	0
10.5 $\mu$ F →	10.5 →	10.5 →	1	A	0
10.6 $\mu$ F →	10.6 →	10.5 →	1	A	0
10.7 $\mu$ F →	10.7 →	10.5 →	1	A	0
10.8 $\mu$ F →	10.8 →	11.0 →	1	1	0
10.9 $\mu$ F →	10.9 →	11.0 →	1	1	0
11.0 $\mu$ F →	11.0 →	11.0 →	1	1	0
132 $\mu$ F →	13.2 →	13.0 →	1	3	1
133 $\mu$ F →	13.3 →	13.5 →	1	D	1
167 $\mu$ F →	16.7 →	16.5 →	1	G	1
168 $\mu$ F →	16.8 →	17.0 →	1	7	1
1110 $\mu$ F →	11.1 →	11.0 →	1	1	2
1340 $\mu$ F →	13.4 →	13.5 →	1	D	2
13200 $\mu$ F →	13.2 →	13.0 →	1	3	3
13600 $\mu$ F →	13.6 →	13.5 →	1	D	3
270000 $\mu$ F →	27.0 →	27.0 →	2	7	4

### ◆Case length (Radial lead type)

Case length [mm]	16th	17th	Case length [mm]	16th	17th	Case length [mm]	16th	17th	Case length [mm]	16th	17th	Case length [mm]	16th	17th	Case length [mm]	16th	17th
0.0	—	—	1.0	0	1	2.0	0	2	3.0	0	3	4.0	0	4			
0.1	0	B	1.1	1	B	2.1	2	B	3.1	3	B	4.1	4	B			
0.2	0	C	1.2	1	C	2.2	2	C	3.2	3	C	4.2	4	C			
0.3	0	D	1.3	1	D	2.3	2	D	3.3	3	D	4.3	4	D			
0.4	0	E	1.4	1	E	2.4	2	E	3.4	3	E	4.4	4	E			
0.5	0	F	1.5	1	F	2.5	2	F	3.5	3	F	4.5	4	F			
0.6	0	G	1.6	1	G	2.6	2	G	3.6	3	G	4.6	4	G			
0.7	0	H	1.7	1	H	2.7	2	H	3.7	3	H	4.7	4	H			
0.8	0	J	1.8	1	J	2.8	2	J	3.8	3	J	4.8	4	J			
0.9	0	K	1.9	1	K	2.9	2	K	3.9	3	K	4.9	4	K			
5.0	0	5	6.0	0	6	7.0	0	7	8.0	0	8	9.0	0	9			
5.1	5	B	6.1	6	B	7.1	7	B	8.1	8	B	9.1	9	B			
5.2	5	C	6.2	6	C	7.2	7	C	8.2	8	C	9.2	9	C			
5.3	5	D	6.3	6	D	7.3	7	D	8.3	8	D	9.3	9	D			
5.4	5	E	6.4	6	E	7.4	7	E	8.4	8	E	9.4	9	E			
5.5	5	F	6.5	6	F	7.5	7	F	8.5	8	F	9.5	9	F			
5.6	5	G	6.6	6	G	7.6	7	G	8.6	8	G	9.6	9	G			
5.7	5	H	6.7	6	H	7.7	7	H	8.7	8	H	9.7	9	H			
5.8	5	J	6.8	6	J	7.8	7	J	8.8	8	J	9.8	9	J			
5.9	5	K	6.9	6	K	7.9	7	K	8.9	8	K	9.9	9	K			
10.0	1	0	11.0	1	1	12.0	1	2	13.0	1	3	14.0	1	4			
10.1	A	1	11.1	B	1	12.1	C	1	13.1	D	1	14.1	E	1			
10.2	A	2	11.2	B	2	12.2	C	2	13.2	D	2	14.2	E	2			
10.3	A	3	11.3	B	3	12.3	C	3	13.3	D	3	14.3	E	3			
10.4	A	4	11.4	B	4	12.4	C	4	13.4	D	4	14.4	E	4			
10.5	A	5	11.5	B	5	12.5	C	5	13.5	D	5	14.5	E	5			
10.6	A	6	11.6	B	6	12.6	C	6	13.6	D	6	14.6	E	6			
10.7	A	7	11.7	B	7	12.7	C	7	13.7	D	7	14.7	E	7			
10.8	A	8	11.8	B	8	12.8	C	8	13.8	D	8	14.8	E	8			
10.9	A	9	11.9	B	9	12.9	C	9	13.9	D	9	14.9	E	9			

Case length [mm]	16th	17th
15.0	1	5
15.1	F	1
15.2	F	2
15.3	F	3
15.4	F	4
15.5	F	5
15.6	F	6
15.7	F	7
15.8	F	8
15.9	F	9

Case length [mm]	16th	17th
16.0	1	6
16.1	G	1
16.2	G	2
16.3	G	3
16.4	G	4
16.5	G	5
16.6	G	6
16.7	G	7
16.8	G	8
16.9	G	9

Case length [mm]	16th	17th
17.0	1	7
17.1	H	1
17.2	H	2
17.3	H	3
17.4	H	4
17.5	H	5
17.6	H	6
17.7	H	7
17.8	H	8
17.9	H	9

Case length [mm]	16th	17th
18.0	1	8
18.1	J	1
18.2	J	2
18.3	J	3
18.4	J	4
18.5	J	5
18.6	J	6
18.7	J	7
18.8	J	8
18.9	J	9

Case length [mm]	16th	17th
19.0	1	9
19.1	K	1
19.2	K	2
19.3	K	3
19.4	K	4
19.5	K	5
19.6	K	6
19.7	K	7
19.8	K	8
19.9	K	9

Case length [mm]	16th	17th
20.0	2	0
20.5	L	1
21.0	2	1
21.5	L	3
22.0	2	2
22.5	L	5
23.0	2	3
23.5	L	7
24.0	2	4
24.5	L	9
25.0	2	5
25.5	M	1
26.0	2	6
26.5	M	3
27.0	2	7
27.5	M	5
28.0	2	8
28.5	M	7
29.0	2	9
29.5	M	9

Case length [mm]	16th	17th
30.0	3	0
30.5	N	1
31.0	3	1
31.5	N	3
32.0	3	2
32.5	N	5
33.0	3	3
33.5	N	7
34.0	3	4
34.5	N	9
35.0	3	5
35.5	P	1
36.0	3	6
36.5	P	3
37.0	3	7
37.5	P	5
38.0	3	8
38.5	P	7
39.0	3	9
39.5	P	9

Case length [mm]	16th	17th
40.0	4	0
40.5	Q	1
41.0	4	1
41.5	Q	3
42.0	4	2
42.5	Q	5
43.0	4	3
43.5	Q	7
44.0	4	4
44.5	Q	9
45.0	4	5
45.5	R	1
46.0	4	6
46.5	R	3
47.0	4	7
47.5	R	5
48.0	4	8
48.5	R	7
49.0	4	9
49.5	R	9

Case length [mm]	16th	17th
50.0	5	0
50.5	S	1
51.0	5	1
51.5	S	3
52.0	5	2
52.5	S	5
53.0	5	3
53.5	S	7
54.0	5	4
54.5	S	9
55.0	5	5
55.5	T	1
56.0	5	6
56.5	T	3
57.0	5	7
57.5	T	5
58.0	5	8
58.5	T	7
59.0	5	9
59.5	T	9

Case length [mm]	16th	17th
60.0	6	0
60.5	U	1
61.0	6	1
61.5	U	3
62.0	6	2
62.5	U	5
63.0	6	3
63.5	U	7
64.0	6	4
64.5	U	9
65.0	6	5
65.5	V	1
66.0	6	6
66.5	V	3
67.0	6	7
67.5	V	5
68.0	6	8
68.5	V	7
69.0	6	9
69.5	V	9

Case length [mm]	16th	17th
70.0	7	0
70.5	W	1
71.0	7	1
71.5	W	3
72.0	7	2
72.5	W	5
73.0	7	3
73.5	W	7
74.0	7	4
74.5	W	9
75.0	7	5
75.5	X	1
76.0	7	6
76.5	X	3
77.0	7	7
77.5	X	5
78.0	7	8
78.5	X	7
79.0	7	9
79.5	X	9

Case length [mm]	16th	17th
80.0	8	0
80.5	Y	1
81.0	8	1
81.5	Y	3
82.0	8	2
82.5	Y	5
83.0	8	3
83.5	Y	7
84.0	8	4
84.5	Y	9
85.0	8	5
85.5	Z	1
86.0	8	6
86.5	Z	3
87.0	8	7
87.5	Z	5
88.0	8	8
88.5	Z	7
89.0	8	9
89.5	Z	9

## ◆Case length (Snap-in type / Screw mount terminal type)

Case length [mm]	16th	17th	Case length [mm]	16th	17th	Case length [mm]	16th	17th	Case length [mm]	16th	17th	Case length [mm]	16th	17th
20	2	0	30	3	0	40	4	0	50	5	0	60	6	0
21	2	1	31	3	1	41	4	1	51	5	1	61	6	1
22	2	2	32	3	2	42	4	2	52	5	2	62	6	2
23	2	3	33	3	3	43	4	3	53	5	3	63	6	3
24	2	4	34	3	4	44	4	4	54	5	4	64	6	4
25	2	5	35	3	5	45	4	5	55	5	5	65	6	5
26	2	6	36	3	6	46	4	6	56	5	6	66	6	6
27	2	7	37	3	7	47	4	7	57	5	7	67	6	7
28	2	8	38	3	8	48	4	8	58	5	8	68	6	8
29	2	9	39	3	9	49	4	9	59	5	9	69	6	9
70	7	0	80	8	0	90	9	0	100	A	0	110	B	0
71	7	1	81	8	1	91	9	1	101	A	1	111	B	1
72	7	2	82	8	2	92	9	2	102	A	2	112	B	2
73	7	3	83	8	3	93	9	3	103	A	3	113	B	3
74	7	4	84	8	4	94	9	4	104	A	4	114	B	4
75	7	5	85	8	5	95	9	5	105	A	5	115	B	5
76	7	6	86	8	6	96	9	6	106	A	6	116	B	6
77	7	7	87	8	7	97	9	7	107	A	7	117	B	7
78	7	8	88	8	8	98	9	8	108	A	8	118	B	8
79	7	9	89	8	9	99	9	9	109	A	9	119	B	9
120	C	0	130	D	0	140	E	0	150	F	0	160	G	0
121	C	1	131	D	1	141	E	1	151	F	1	161	G	1
122	C	2	132	D	2	142	E	2	152	F	2	162	G	2
123	C	3	133	D	3	143	E	3	153	F	3	163	G	3
124	C	4	134	D	4	144	E	4	154	F	4	164	G	4
125	C	5	135	D	5	145	E	5	155	F	5	165	G	5
126	C	6	136	D	6	146	E	6	156	F	6	166	G	6
127	C	7	137	D	7	147	E	7	157	F	7	167	G	7
128	C	8	138	D	8	148	E	8	158	F	8	168	G	8
129	C	9	139	D	9	149	E	9	159	F	9	169	G	9
170	H	0	180	J	0	190	K	0	200	L	0	210	M	0
171	H	1	181	J	1	191	K	1	201	L	1	211	M	1
172	H	2	182	J	2	192	K	2	202	L	2	212	M	2
173	H	3	183	J	3	193	K	3	203	L	3	213	M	3
174	H	4	184	J	4	194	K	4	204	L	4	214	M	4
175	H	5	185	J	5	195	K	5	205	L	5	215	M	5
176	H	6	186	J	6	196	K	6	206	L	6	216	M	6
177	H	7	187	J	7	197	K	7	207	L	7	217	M	7
178	H	8	188	J	8	198	K	8	208	L	8	218	M	8
179	H	9	189	J	9	199	K	9	209	L	9	219	M	9
220	N	0	230	P	0	240	Q	0	250	R	0			
221	N	1	231	P	1	241	Q	1	251	R	1			
222	N	2	232	P	2	242	Q	2	252	R	2			
223	N	3	233	P	3	243	Q	3	253	R	3			
224	N	4	234	P	4	244	Q	4	254	R	4			
225	N	5	235	P	5	245	Q	5	255	R	5			
226	N	6	236	P	6	246	Q	6	256	R	6			
227	N	7	237	P	7	247	Q	7	257	R	7			
228	N	8	238	P	8	248	Q	8	258	R	8			
229	N	9	239	P	9	249	Q	9	259	R	9			

## ◆Supplement code

### Conductive polymer Chip and Radial lead type / Electrolytec Chip type

	Terminal plating material	
	Sn	Sn-Bi
Coating case	S	G

### Radial lead type / Snap-in type

		Terminal plating material	
		Sn	Sn-Bi
Outer sleeve	PET	S	D
	Coating case	H	G
	Polyolefin	L	—
	Pb-free PVC	M	—

\* Pb-free snap-in type does not have a plastic disk.

We also produce Pb-free snap-in type with "Plastic disk, Pb-free PVC sleeve and Sn terminal plating".  
In this case, supplement code (the 18th digit) is "T".

### Screw mount terminal type

	Screw terminal
Pb-free PVC	M
Polyolefin	S
PET	C