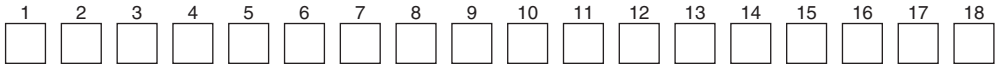
Part numbering system

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
A	Conductive Polymer Aluminum Solid Capacitors (Polar)
H	Conductive Polymer Hybrid Aluminum Electrolytic Capacitors (Polar)
E	Aluminum Electrolytic Capacitors (Polar)
B	Aluminum Electrolytic Capacitors (Bi-polar)
K	Multilayer Ceramic Capacitors
F	Film Capacitors
D	Electric Double Layer Capacitors
T	Metal Oxide Varistors
L	Amorphous Choke Coils

●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	ERWE551LGC821MCD0U	RWE550LGSN820MCC13EA

PART NUMBERING SYSTEM

Product code guide (Conductive polymer Surface mount type)

(Example : PXJ series, 6.3V-390μF, φ6.3×5.8L)

Please refer to the following table

Contents	Code
Conductive Polymer	A

Series	Code
PXJ	PXJ

Type	Code
SMD	A

Tol.(%)	Code
±20	M

Terminal plating material	Code
Sn-Bi	G

1	2 3 4	5 6 7	8	9 10	11 12 13	14	15 16 17	18
A	P X J	6 R 3	A	R A	3 9 1	M	F 6 1	G
Category	Series code	Voltage code	Terminal code	Taping・Tray code	Capacitance code	Capacitance tolerance	Size code	Supplement code

Voltage(V)	Code
2	2R0
2.5	2R5
4	4R0
6.3	6R3
10	100
16	160
20	200
25	250

Type	Reel dia. φ (mm)	Application size φD(mm)	Code
Plastic Reel	380	φD=5 to 10	RA
	330	φD=8 to 10	RB

Refer to product guide for taping specifications.

Cap.(μF)	Code
10	100
47	470
100	101
470	471
1,000	102
⋮	⋮

φD(mm)	Code
5	E
6.3	F
8	H
10	J

L(mm)	Code
3.0	30
3.9	40
4.4	45
4.5	46
5.7	60
5.8	61
6.7	70
7.7	80
9.7	A0
10	A0
12	C0
12.2	C0

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

Product code guide (Conductive polymer Radial lead type)

(Example : PSK series, 6.3V-330μF, φ5×8L,Long Lead with bulk)

Please refer to the following table

Contents	Code
Conductive Polymer	A

Series	Code
PSK	PSK

Type	Code
Radial lead	E

Tol.(%)	Code
± 20	M

Terminal plating material	Code
Sn	S

1	2 3 4	5 6 7	8	9 10	11 12 13	14	15 16 17	18
A	P S K	6 R 3	E	L L	3 3 1	M	E 0 8	S
Category	Series code	Voltage code	Terminal code	Taping・Tray code	Capacitance code	Capacitance tolerance	Size code	Supplement code

Voltage(V)	Code
2	2R0
2.5	2R5
4	4R0
6.3	6R3
10	100
16	160
20	200
25	250
35	350

Type	Contents	Code
Lead forming (Bulk)	Long Lead	LL
	Cut(3.5mm)	C3
	Cut(5.0mm)	C5
Taping	Straight	TD

Refer to product guide for taping specifications.

Cap.(μF)	Code
56	560
100	101
470	471
1,000	102
⋮	⋮

φD(mm)	Code
5	E
5.4	E
6.3	F
8	H
10	J

L(mm)	Code
5	05
6	06
8	08
10.5	A5
11.5	B5
12.5	C5
16	16
20	20

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

PART NUMBERING SYSTEM

Product code guide (Conductive polymer hybrid Surface mount type)

(Example : HXC series, 16V-82μF, φ6.3×5.8L)

Please refer to the following table

Contents	Code
Conductive Polymer Hybrid	H

Series	Code
HXC	HXC

Type	Code
No dummy terminal	A
With dummy terminal	G

Tol.(%)	Code
±20	M

Terminal plating material	Code
Sn-Bi	G

1	2 3 4	5 6 7	8	9 10	11 12 13	14	15 16 17	18
H	HXC	160	A	RA	820	M	F61	G
Category	Series code	Voltage code	Terminal code	Taping・Tray code	Capacitance code	Capacitance tolerance	Size code	Supplement code

Voltage(V)	Code
16	160
25	250
35	350
50	500
63	630

Type	Reel dia. φ (mm)	Application size φD(mm)	Code
Plastic Reel	380	φD=4 to 10	RA

Refer to product guide for taping specifications.

Cap.(μF)	Code
10	100
22	220
33	330
82	820
100	101
220	221
330	331
⋮	⋮

φD(mm)	Code
6.3	F
8	H
10	J

L(mm)	Code
5.8	61
7.7	80
10	A0

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

Product code guide (Conductive polymer hybrid Radial lead type)

(Example : HSC series, 25V-330μF, φ10×12.5L, Long Lead with bulk)

Please refer to the following table

Contents	Code
Conductive Polymer Hybrid	H

Series	Code
HSC	HSC

Type	Code
Radial lead	E

Tol.(%)	Code
± 20	M

Terminal plating material	Code
Sn	S

1	2 3 4	5 6 7	8	9 10	11 12 13	14	15 16 17	18
H	HSC	250	E	LL	331	M	JC5	S
Category	Series code	Voltage code	Terminal code	Taping・Tray code	Capacitance code	Capacitance tolerance	Size code	Supplement code

Voltage(V)	Code
25	250
35	350
50	500
63	630

Type	Contents	Code
Lead forming (Bulk)	Long Lead	LL
	Cut(3.5mm)	C3
	Cut(5.0mm)	C5
Taping	Straight	TD

Refer to product guide for taping specifications.

Cap.(μF)	Code
100	101
330	331

φD(mm)	Code
10	J

L(mm)	Code
12.5	C5

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

PART NUMBERING SYSTEM

Product code guide (Surface mount type)

(Example : MVA series, 25V-47μF, φ6.3×5.2L)

Please refer to the following table

Contents	Code
Polar	E
Bi-polar	B

Series	Code
MVA	MVA
MV(Bi-polar)	MV-

Type	Code
No dummy terminal	A
With dummy terminal	G

Tol.(%)	Code
±20	M

Terminal plating material	Code
Sn-Bi	G
Sn	S

1	2 3 4	5 6 7	8	9 10	11 12 13	14	15 16 17	18
E	MVA	250	A	RA	470	M	F55	G
Category	Series code	Voltage code	Terminal code	Taping・Tray code	Capacitance code	Capacitance tolerance	Size code	Supplement code

Voltage(V)	Code
4	4R0
6.3	6R3
10	100
25	250
100	101
250	251
⋮	⋮

Taping type		Reel dia. φ(mm)	Application size φD(mm)	Code
Taping	Plastic Reel	380	φD=4 to 18	RA
Taping	Cardboard Reel	380	φD=4 to 18 (not φD=12.5)	DA
Tray		-	φD=12.5 to 18	TR

Refer to product guide for taping and tray specifications.

Cap.(μF)	Code
1.0	1R0
4.7	4R7
10	100
47	470
100	101
470	471
1,000	102
⋮	⋮

φD(mm)	Code
4	D
5	E
6.3	F
8	H
10	J
12.5	K
16	L
18	M

L(mm)	Code
5.2	55
5.7	60
5.8	61
6.3	63
7.0	73
7.7	80
8.7	90
10	A0
13.5	E0
16	G5
16.5	H0
21.5	N0

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

PART NUMBERING SYSTEM

Product code guide (Radial lead type)

(Example : KMQ series, 450V-100μF, φ18×40L, Long lead with bulk)

Please refer to the following table

Contents	Code
Polar	E
Bi-polar	B

Series	Code
KMQ	KMQ
KY	KY-

Type	Code
Radial lead	E

Tol.(%)	Code
±20	M
-10 to +20	V

Sleeve materia	Terminal plating material	Code
PET	Sn-Bi	D
	Sn	S
Sleeveless (Coating case)	Sn-Bi	G
	Sn	H

1	2 3 4	5 6 7	8	9 10	11 12 13	14	15 16 17	18
E	KMQ	451	E	LL	101	M	M40	S
Category	Series code	Voltage code	Terminal code	Lead forming/ Taping code	Capacitance code	Capacitance tolerance	Size code	Supplement code

Voltage(V)	Code
6.3	6R3
10	100
25	250
100	101
250	251
⋮	⋮

Type	Contents	Code
Lead forming (Bulk)	Long Lead	LL
	Cut(3.5mm)	C3
	Cut(5.0mm)	C5
	Forming Cut	FC
		IJ
	Snap-in φD=5 to 8	FM
	Snap-in φD=10 to 18	MC
	Horizontal	BC
		BD
Taping	Straight	TD
	Gradual forming	
	Straight(Skip a hole)	TE
	Forming(F=5.0mm)	TC

Cap.(μF)	Code
1.0	1R0
4.7	4R7
10	100
47	470
100	101
470	471
1,000	102
⋮	⋮

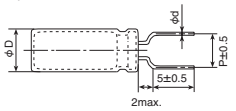
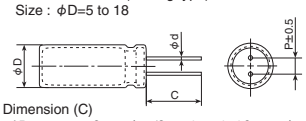
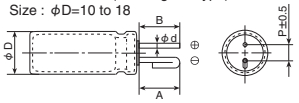
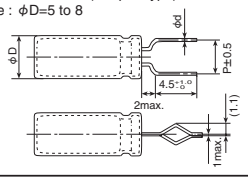
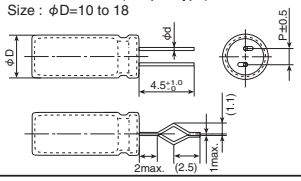
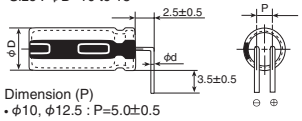
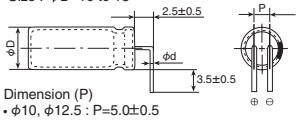
φD(mm)	Code
5	E
6.3	F
8	H
10	J
12.5	K
14.5	U
16	L
18	M

L(mm)	Code
9	09
11	11
11.5	B5
12.5	C5
13	13
15	15
16	16
20	20
25	25
30	30
31.5	N3
35	35
35.5	P1
40	40
45	45
50	50

Refer to product guide for lead forming and taping specifications.

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

CUT/FORMED LEAD

Terminal type	Terminal type	Terminal type
●Lead code : FC (Forming Cut type) Size : φD=5 to 8 	●Lead code : C3 (Cutting type) Size : φD=5 to 18  Dimension (C) • φD= 5 to 8: C3: 3.5±0.5(Second standard C5: 5.0±0.5) • φD=10 to 18: C3: 3.5±0.5(Second standard C5: 5.0 $^{+1.0}_{0}$)	●Lead code : IJ (Forming Cut type) Size : φD=10 to 18  Dimension φD: 10 to 12.5 — A・B: 3.2±0.5 — φd: 0.6 — P: 5.0±0.5 φD: 14.5 to 18 — A・B: 3.2±0.5 — φd: 0.8 — P: 7.5±0.5
●Lead code : FM (Snap-in type) Size : φD=5 to 8 	●Lead code : MC (Snap-in type) Size : φD=10 to 18 	*1 Please consult with us about other terminal forming. *2 Please refer to dimensions of each series for gas escape end seal. *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.
●Lead code : BC (Horizontal type)*3 Size : φD=10 to 18  Dimension (P) • φ10, φ12.5 : P=5.0±0.5 • φ14.5, φ16, φ18 : P=7.5±0.5	●Lead code : BD (Horizontal type)*3 Size : φD=10 to 18  Dimension (P) • φ10, φ12.5 : P=5.0±0.5 • φ14.5, φ16, φ18 : P=7.5±0.5	

PART NUMBERING SYSTEM

Product code guide (Snap-in type)

(Example : KMS series, 400V-330μF, ϕ30×30L)

Please refer to the following table

For more details, refer to Product Guide.

Contents	Code
Polar	E

Series	Code
KMS	KMS

Type	Code
Snap-in	VS
Snap-in	VN
Flat terminal for PCB	LI
For Connector	LR
Horizontal	LC
Straight	VR

Tol.(%)	Code
±20	M

Sleeve material	Terminal plating material	Code
PET	Sn	S
PVC		M

1	2 3 4	5 6 7	8 9	10	11 12 13	14	15 16 17	18
E	KMS	401	VS	N	331	M	R30	S
Category	Series code	Voltage code	Terminal code	Dummy terminal code	Capacitance code	Capacitance tolerance	Size code	Supplement code

Voltage(V)	Code
6.3	6R3
10	100
25	250
100	101
250	251
315	3B1
⋮	⋮

Terminal #	Code
0	N
1	S
2	D
3	T

Cap.(μF)	Code
39	390
47	470
100	101
470	471
1,000	102
4,700	472
10,000	103
⋮	⋮

ϕD(mm)	Code
20	N
22	P
25.4	Q
30	R
35	A
40	B

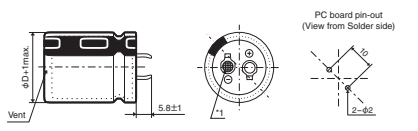
L(mm)	Code
15	15
20	20
25	25
30	30
35	35
40	40
45	45
50	50
55	55
60	60

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

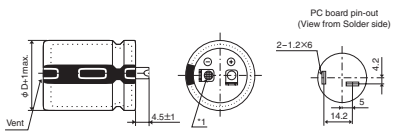
Available terminals

[mm]

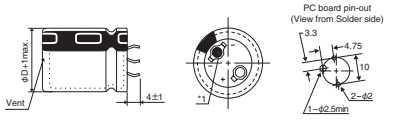
Terminal, Dummy code : VNN — D=ϕ22 toϕ35



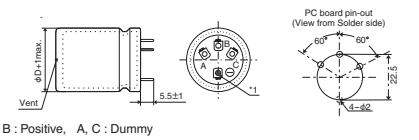
Terminal, Dummy code : LIN — D=ϕ30 toϕ40



Terminal, Dummy code : VEN — D=ϕ30, ϕ35

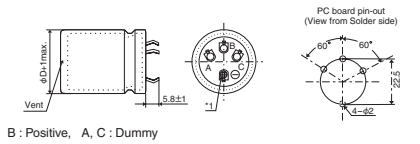


Terminal, Dummy code : VRD — D=ϕ35, ϕ40



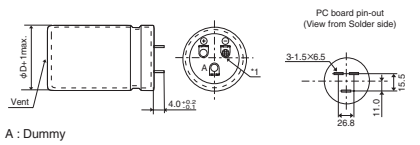
B : Positive, A, C : Dummy

Terminal, Dummy code : VND — D=ϕ35, ϕ40



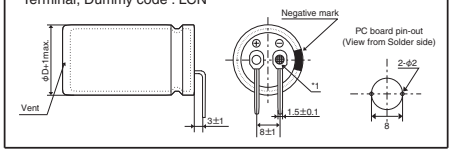
B : Positive, A, C : Dummy

Terminal, Dummy code : LIS — D=ϕ50



A : Dummy

Horizontal mounting
Terminal, Dummy code : LCN — D=ϕ20×30 to 50L, ϕ22×30 to 50L



*1 Negative terminal : Mesh marking

*2 Use the dummy terminals for mechanical support only.
The dummy terminals must not be connected to any circuit trace on PC board, be sure to electrically isolate from the negative and the positive terminals.

PART NUMBERING SYSTEM

Product code guide (Screw mount terminal type)

(Example : KMH series, 400V-3,300μF, φ63.5×120L, Without mounting clamp)

Please refer to the following table

Contents	Code
Polar	E

Series	Code
KMH	KMH

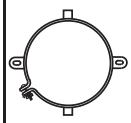
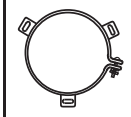
Type	Code
Screw terminal	LG

Tol.(%)	Code
±20	M

Sleeve Material	Plastic disk Material	Code
PVC	PPE	U

1	2 3 4	5 6 7	8 9	10	11 12 13	14	15 16 17	18
E	KMH	401	LG	N	332	M	DC0	U
Category	Series code	Voltage code	Terminal code	Mounting clamp code	Capacitance code	Capacitance tolerance	Size code	Supplement code

Voltage(V)	Code
10	100
25	250
100	101
250	251
315	3B1
525	5C1
⋮	⋮

Type	Code
	B
	C
Without clamp	N

Cap.(μF)	Code
100	101
470	471
1,000	102
4,700	472
10,000	103
47,000	473
100,000	104
⋮	⋮

φD(mm)	Code
35	A
50	C
63.5	D
76.2	E
89	F
100	G

L(mm)	Code
50	50
55	55
60	60
65	65
75	75
80	80
85	85
90	90
95	95
96	96
100	A0
105	A5
110	B0
115	B5
120	C0
125	C5
130	D0
140	E0
145	E5
155	F5
170	H0
190	K0
210	M0
220	N0
250	R0
270	T0

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

U37F Series

Part Numbering System for U37F Series

When ordering, always specify complete 18-field global part number.

18 Fields

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
E	3	7	F	4	0	1	C	P	N	1	0	3	M	E	J	1	U

9 Supplement Code. Field 18.
U = PVC sleeve with PPE end disk.
Q = PVC sleeve with PET end disk.
4 = UL746C compliant insulation for sleeve with end disk.
Other sleeve material available as option upon request.

8 Case Size. Fields 15, 16 and 17.
The single letter diameter code is inserted in field 15.
C = Ø50.8mm (Ø2.000")
D = Ø63.5mm (Ø2.500")
E = Ø76.2mm (Ø3.000")
F = Ø89.0mm (Ø3.500")

The double character length code is inserted in fields 16 and 17. For lengths ≤99mm, insert the actual length rounded to nearest millimeter. For lengths of 100mm or more, insert the appropriate alpha numeric code as indicated below.
92 = 92mm (3.625")
A5 = 105mm (4.125")
B7 = 117mm (4.625")
D0 = 130mm (5.125")
E3 = 143mm (5.625")
F5 = 155mm (6.125")
J1 = 181mm (7.125")
K0 = 190mm (7.500")
M9 = 219mm (8.625")

7 Capacitance Tolerance. Field 14.
M = ±20%

6 Capacitance. Fields 11, 12 and 13.
Expressed in Microfarads. The first two digits are significant figures inserted in fields 11 and 12, and the third digit inserted in field 13 indicates the number of zeros for capacitance of 10μF or more. R indicates the decimal point for capacitance less than 10μF (e.g. 1R0 = 1.0μF; 100 = 10μF; 101 = 100μF; 102 = 1,000μF; 103 = 10,000μF).

5 Mounting Hardware. Field 10.
N = None.
C = Three-footed clamp.
S = Stud mount. *The mounting nut is not included with stud mount orders. It must be ordered separately.*

4 Terminal Type. Fields 8 and 9.
HP = High post 10-32 NF-2B screw thread.
HL = High post M5x0.8 screw thread.
CD = M5x0.8 screw thread.
CP = Low post 1/4-28 NF-2B screw thread.
CH = High post 1/4-28 NF-2B screw thread.
CA = Low post M6x1 screw thread.
CS = High post M6x1 screw thread.

3 DC Rated Voltage. Fields 5, 6 and 7.
Expressed in Volts. The first two digits are significant figures inserted in fields 5 and 6, and the third digit inserted in field 7 indicates the number of zeros for rated voltage of 10VDC or more. R indicates the decimal point for rated voltage less than 10VDC (e.g. 4R0 = 4.0VDC; 400 = 40VDC; 401 = 400VDC).

2 Series Name. Fields 2, 3 and 4.
Enter the 3-letter/digit series name in fields 2, 3 and 4. If the series name is only 2 letters/digits, place a dash in field 4. For a series name with more than 3 letters/digits, refer to the individual series for the appropriate 3-field series name.

1 Capacitor Type. Field 1.
Aluminum Electrolytic Capacitor (Polar).

U37L Series

Part Numbering System for U37L Series

When ordering, always specify complete 18-field global part number.

18 Fields

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
E	3	7	L	4	0	1	C	P	S	3	3	2	M	D	A	5	U

9 Supplement Code. Field 18.
U = PVC sleeve with PPE end disk.
Q = PVC sleeve with PET end disk.
4 = UL746C compliant insulation for sleeve with end disk.
Other sleeve material available as option upon request.

8 Case Size. Fields 15, 16 and 17.
The single letter diameter code is inserted in field 15.
C = Ø50.8mm (Ø2.000")
D = Ø63.5mm (Ø2.500")
E = Ø76.2mm (Ø3.000")
F = Ø89.0mm (Ø3.500")

The double character length code is inserted in fields 16 and 17. For lengths ≤99mm, insert the actual length rounded to nearest millimeter. For lengths of 100mm or more, insert the appropriate alpha numeric code as indicated below.
92 = 92mm (3.625")
A5 = 105mm (4.125")
B7 = 117mm (4.625")
D0 = 130mm (5.125")
E3 = 143mm (5.625")
F5 = 155mm (6.125")
J1 = 181mm (7.125")
K0 = 190mm (7.500")
M9 = 219mm (8.625")

7 Capacitance Tolerance. Field 14.
M = ±20%

6 Capacitance. Fields 11, 12 and 13.
Expressed in Microfarads. The first two digits are significant figures inserted in fields 11 and 12, and the third digit inserted in field 13 indicates the number of zeros for capacitance of 10μF or more. R indicates the decimal point for capacitance less than 10μF (e.g. 3R3 = 3.3μF; 330 = 33μF; 331 = 330μF; 332 = 3,300μF; 333 = 33,000μF).

5 Mounting Hardware. Field 10.
N = None.
C = Three-footed clamp.
S = Stud mount. *The mounting nut is not included with stud mount orders. It must be ordered separately.*

4 Terminal Type. Fields 8 and 9.
HP = High post 10-32 NF-2B screw thread.
HL = High post M5x0.8 screw thread.
CD = M5x0.8 screw thread.
CP = Low post 1/4-28 NF-2B screw thread.
CH = High post 1/4-28 NF-2B screw thread.
CA = Low post M6x1 screw thread.
CS = High post M6x1 screw thread.

3 DC Rated Voltage. Fields 5, 6 and 7.
Expressed in Volts. The first two digits are significant figures inserted in fields 5 and 6, and the third digit inserted in field 7 indicates the number of zeros for rated voltage of 10VDC or more. R indicates the decimal point for rated voltage less than 10VDC (e.g. 4R0 = 4.0VDC; 400 = 40VDC; 401 = 400VDC).

2 Series Name. Fields 2, 3 and 4.
Enter the 3-letter/digit series name in fields 2, 3 and 4. If the series name is only 2 letters/digits, place a dash in field 4. For a series name with more than 3 letters/digits, refer to the individual series for the appropriate 3-field series name.

1 Capacitor Type. Field 1.
Aluminum Electrolytic Capacitor (Polar).

U37X Series

Part Numbering System for U37X Series

When ordering, always specify complete 18-field global part number.

18 Fields

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
E	3	7	X	4	0	1	C	P	N	4	7	2	M	E	A	5	U

9 Supplement Code. Field 18.
U = PVC sleeve with PPE end disk.
Q = PVC sleeve with PET end disk.
4 = UL746C compliant insulation for sleeve with end disk.
Other sleeve material available as option upon request.

8 Case Size. Fields 15, 16 and 17.
The single letter diameter code is inserted in field 15.
C = Ø50.8mm (Ø2.000")
D = Ø63.5mm (Ø2.500")
E = Ø76.2mm (Ø3.000")
F = Ø89.0mm (Ø3.500")

The double character length code is inserted in fields 16 and 17. For lengths ≤99mm, insert the actual length rounded to nearest millimeter. For lengths of 100mm or more, insert the appropriate alpha numeric code as indicated below.
92 = 92mm (3.625")
A5 = 105mm (4.125")
B7 = 117mm (4.625")
D0 = 130mm (5.125")
E3 = 143mm (5.625")
F5 = 155mm (6.125")
J1 = 181mm (7.125")
K0 = 190mm (7.500")
M9 = 219mm (8.625")

7 Capacitance Tolerance. Field 14.
M = ±20%

6 Capacitance. Fields 11, 12 and 13.
Expressed in Microfarads. The first two digits are significant figures inserted in fields 11 and 12, and the third digit inserted in field 13 indicates the number of zeros for capacitance of 10μF or more. R indicates the decimal point for capacitance less than 10μF (e.g. 4R7 = 4.7μF; 470 = 47μF; 471 = 470μF; 472 = 4,700μF; 473 = 47,000μF).

5 Mounting Hardware. Field 10.
N = None.
C = Three-footed clamp.
S = Stud mount. *The mounting nut is not included with stud mount orders. It must be ordered separately.*

4 Terminal Type. Fields 8 and 9.
HP = High post 10-32 NF-2B screw thread.
HL = High post M5x0.8 screw thread.
CD = M5x0.8 screw thread.
CP = Low post 1/4-28 NF-2B screw thread.
CH = High post 1/4-28 NF-2B screw thread.
CA = Low post M6x1 screw thread.
CS = High post M6x1 screw thread.

3 DC Rated Voltage. Fields 5, 6 and 7.
Expressed in Volts. The first two digits are significant figures inserted in fields 5 and 6, and the third digit inserted in field 7 indicates the number of zeros for rated voltage of 10VDC or more. R indicates the decimal point for rated voltage less than 10VDC (e.g. 4R0 = 4.0VDC; 400 = 40VDC; 401 = 400VDC).

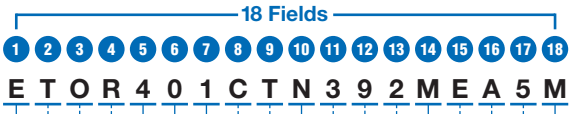
2 Series Name. Fields 2, 3 and 4.
Enter the 3-letter/digit series name in fields 2, 3 and 4. If the series name is only 2 letters/digits, place a dash in field 4. For a series name with more than 3 letters/digits, refer to the individual series for the appropriate 3-field series name.

1 Capacitor Type. Field 1.
Aluminum Electrolytic Capacitor (Polar).

UTOR Series

Part Numbering System for UTOR Series

When ordering, always specify complete 18-field global part number.



9 Supplement Code. Field 18.
M = PVC sleeve with end disk.
C = PET sleeve with end disk.

8 Case Size. Fields 15, 16 and 17.
The single letter diameter code is inserted in field 15.
E = Ø76.2mm (Ø3.000")

The double character length code is inserted in fields 16 and 17. For lengths ≤99mm, insert the actual length rounded to nearest millimeter. For lengths of 100mm or more, insert the appropriate alpha numeric code as indicated below.
54 = 54mm (2.125")
67 = 67mm (2.625")
79 = 79mm (3.125")
92 = 92mm (3.625")
A5 = 105mm (4.125")
B7 = 117mm (4.625")
D0 = 130mm (5.125")
E3 = 143mm (5.625")
F5 = 155mm (6.125")
G8 = 168mm (6.625")

7 Capacitance Tolerance. Field 14.
M = ±20%

6 Capacitance. Fields 11, 12 and 13.
Expressed in Microfarads. The first two digits are significant figures inserted in fields 11 and 12, and the third digit inserted in field 13 indicates the number of zeros for capacitance of 10μF or more. R indicates the decimal point for capacitance less than 10μF (e.g. 3R9 = 3.9μF; 390 = 39μF; 391 = 390μF; 392 = 3,900μF; 393 = 39,000μF).

5 Mounting Hardware. Field 10.
N = None.
C = Three-footed clamp.
H = Heat sink kit.

4 Terminal Type. Fields 8 and 9.
CT = M5x0.8 screw thread.

3 DC Rated Voltage. Fields 5, 6 and 7.
Expressed in Volts. The first two digits are significant figures inserted in fields 5 and 6, and the third digit inserted in field 7 indicates the number of zeros for rated voltage of 10VDC or more. R indicates the decimal point for rated voltage less than 10VDC (e.g. 4R0 = 4.0VDC; 400 = 40VDC; 401 = 400VDC).

2 Series Name. Fields 2, 3 and 4.
Enter the 3-letter/digit series name in fields 2, 3 and 4. If the series name is only 2 letters/digits, place a dash in field 4. For a series name with more than 3 letters/digits, refer to the individual series for the appropriate 3-field series name.

1 Capacitor Type. Field 1.
Aluminum Electrolytic Capacitor (Polar).

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 10µF, a decimal point position is displayed with R.
For 10µF 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
10.0µF →	10.0 →	10.0 →	1	0	0
10.1µF →	10.1 →	10.0 →	1	0	0
10.2µF →	10.2 →	10.0 →	1	0	0
10.3µF →	10.3 →	10.5 →	1	A	0
10.4µF →	10.4 →	10.5 →	1	A	0
10.5µF →	10.5 →	10.5 →	1	A	0
10.6µF →	10.6 →	10.5 →	1	A	0
10.7µF →	10.7 →	10.5 →	1	A	0
10.8µF →	10.8 →	11.0 →	1	1	0
10.9µF →	10.9 →	11.0 →	1	1	0
11.0µF →	11.0 →	11.0 →	1	1	0
132µF →	13.2 →	13.0 →	1	3	1
133µF →	13.3 →	13.5 →	1	D	1
167µF →	16.7 →	16.5 →	1	G	1
168µF →	16.8 →	17.0 →	1	7	1
1110µF →	11.1 →	11.0 →	1	1	2
1340µF →	13.4 →	13.5 →	1	D	2
13200µF →	13.2 →	13.0 →	1	3	3
13600µF →	13.6 →	13.5 →	1	D	3
270000µF →	27.0 →	27.0 →	2	7	4

◆Case length (Radial lead type)

Case length [mm]	16th	17th
0.0	–	–
0.1	0	B
0.2	0	C
0.3	0	D
0.4	0	E
0.5	0	F
0.6	0	G
0.7	0	H
0.8	0	J
0.9	0	K

Case length [mm]	16th	17th
1.0	0	1
1.1	1	B
1.2	1	C
1.3	1	D
1.4	1	E
1.5	1	F
1.6	1	G
1.7	1	H
1.8	1	J
1.9	1	K

Case length [mm]	16th	17th
2.0	0	2
2.1	2	B
2.2	2	C
2.3	2	D
2.4	2	E
2.5	2	F
2.6	2	G
2.7	2	H
2.8	2	J
2.9	2	K

Case length [mm]	16th	17th
3.0	0	3
3.1	3	B
3.2	3	C
3.3	3	D
3.4	3	E
3.5	3	F
3.6	3	G
3.7	3	H
3.8	3	J
3.9	3	K

Case length [mm]	16th	17th
4.0	0	4
4.1	4	B
4.2	4	C
4.3	4	D
4.4	4	E
4.5	4	F
4.6	4	G
4.7	4	H
4.8	4	J
4.9	4	K

Case length [mm]	16th	17th
5.0	0	5
5.1	5	B
5.2	5	C
5.3	5	D
5.4	5	E
5.5	5	F
5.6	5	G
5.7	5	H
5.8	5	J
5.9	5	K

Case length [mm]	16th	17th
6.0	0	6
6.1	6	B
6.2	6	C
6.3	6	D
6.4	6	E
6.5	6	F
6.6	6	G
6.7	6	H
6.8	6	J
6.9	6	K

Case length [mm]	16th	17th
7.0	0	7
7.1	7	B
7.2	7	C
7.3	7	D
7.4	7	E
7.5	7	F
7.6	7	G
7.7	7	H
7.8	7	J
7.9	7	K

Case length [mm]	16th	17th
8.0	0	8
8.1	8	B
8.2	8	C
8.3	8	D
8.4	8	E
8.5	8	F
8.6	8	G
8.7	8	H
8.8	8	J
8.9	8	K

Case length [mm]	16th	17th
9.0	0	9
9.1	9	B
9.2	9	C
9.3	9	D
9.4	9	E
9.5	9	F
9.6	9	G
9.7	9	H
9.8	9	J
9.9	9	K

Case length [mm]	16th	17th
10.0	1	0
10.1	A	1
10.2	A	2
10.3	A	3
10.4	A	4
10.5	A	5
10.6	A	6
10.7	A	7
10.8	A	8
10.9	A	9

Case length [mm]	16th	17th
11.0	1	1
11.1	B	1
11.2	B	2
11.3	B	3
11.4	B	4
11.5	B	5
11.6	B	6
11.7	B	7
11.8	B	8
11.9	B	9

Case length [mm]	16th	17th
12.0	1	2
12.1	C	1
12.2	C	2
12.3	C	3
12.4	C	4
12.5	C	5
12.6	C	6
12.7	C	7
12.8	C	8
12.9	C	9

Case length [mm]	16th	17th
13.0	1	3
13.1	D	1
13.2	D	2
13.3	D	3
13.4	D	4
13.5	D	5
13.6	D	6
13.7	D	7
13.8	D	8
13.9	D	9

Case length [mm]	16th	17th
14.0	1	4
14.1	E	1
14.2	E	2
14.3	E	3
14.4	E	4
14.5	E	5
14.6	E	6
14.7	E	7
14.8	E	8
14.9	E	9

PART NUMBERING SYSTEM

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
20	2	0
21	2	1
22	2	2
23	2	3
24	2	4
25	2	5
26	2	6
27	2	7
28	2	8
29	2	9

Case length [mm]	16th	17th
30	3	0
31	3	1
32	3	2
33	3	3
34	3	4
35	3	5
36	3	6
37	3	7
38	3	8
39	3	9

Case length [mm]	16th	17th
40	4	0
41	4	1
42	4	2
43	4	3
44	4	4
45	4	5
46	4	6
47	4	7
48	4	8
49	4	9

Case length [mm]	16th	17th
50	5	0
51	5	1
52	5	2
53	5	3
54	5	4
55	5	5
56	5	6
57	5	7
58	5	8
59	5	9

Case length [mm]	16th	17th
60	6	0
61	6	1
62	6	2
63	6	3
64	6	4
65	6	5
66	6	6
67	6	7
68	6	8
69	6	9

Case length [mm]	16th	17th
70	7	0
71	7	1
72	7	2
73	7	3
74	7	4
75	7	5
76	7	6
77	7	7
78	7	8
79	7	9

Case length [mm]	16th	17th
80	8	0
81	8	1
82	8	2
83	8	3
84	8	4
85	8	5
86	8	6
87	8	7
88	8	8
89	8	9

Case length [mm]	16th	17th
90	9	0
91	9	1
92	9	2
93	9	3
94	9	4
95	9	5
96	9	6
97	9	7
98	9	8
99	9	9

Case length [mm]	16th	17th
100	A	0
101	A	1
102	A	2
103	A	3
104	A	4
105	A	5
106	A	6
107	A	7
108	A	8
109	A	9

Case length [mm]	16th	17th
110	B	0
111	B	1
112	B	2
113	B	3
114	B	4
115	B	5
116	B	6
117	B	7
118	B	8
119	B	9

Case length [mm]	16th	17th
120	C	0
121	C	1
122	C	2
123	C	3
124	C	4
125	C	5
126	C	6
127	C	7
128	C	8
129	C	9

Case length [mm]	16th	17th
130	D	0
131	D	1
132	D	2
133	D	3
134	D	4
135	D	5
136	D	6
137	D	7
138	D	8
139	D	9

Case length [mm]	16th	17th
140	E	0
141	E	1
142	E	2
143	E	3
144	E	4
145	E	5
146	E	6
147	E	7
148	E	8
149	E	9

Case length [mm]	16th	17th
150	F	0
151	F	1
152	F	2
153	F	3
154	F	4
155	F	5
156	F	6
157	F	7
158	F	8
159	F	9

Case length [mm]	16th	17th
160	G	0
161	G	1
162	G	2
163	G	3
164	G	4
165	G	5
166	G	6
167	G	7
168	G	8
169	G	9

Case length [mm]	16th	17th
170	H	0
171	H	1
172	H	2
173	H	3
174	H	4
175	H	5
176	H	6
177	H	7
178	H	8
179	H	9

Case length [mm]	16th	17th
180	J	0
181	J	1
182	J	2
183	J	3
184	J	4
185	J	5
186	J	6
187	J	7
188	J	8
189	J	9

Case length [mm]	16th	17th
190	K	0
191	K	1
192	K	2
193	K	3
194	K	4
195	K	5
196	K	6
197	K	7
198	K	8
199	K	9

Case length [mm]	16th	17th
200	L	0
201	L	1
202	L	2
203	L	3
204	L	4
205	L	5
206	L	6
207	L	7
208	L	8
209	L	9

Case length [mm]	16th	17th
210	M	0
211	M	1
212	M	2
213	M	3
214	M	4
215	M	5
216	M	6
217	M	7
218	M	8
219	M	9

Case length [mm]	16th	17th
220	N	0
221	N	1
222	N	2
223	N	3
224	N	4
225	N	5
226	N	6
227	N	7
228	N	8
229	N	9

Case length [mm]	16th	17th
230	P	0
231	P	1
232	P	2
233	P	3
234	P	4
235	P	5
236	P	6
237	P	7
238	P	8
239	P	9

Case length [mm]	16th	17th
240	Q	0
241	Q	1
242	Q	2
243	Q	3
244	Q	4
245	Q	5
246	Q	6
247	Q	7
248	Q	8
249	Q	9

Case length [mm]	16th	17th
250	R	0
251	R	1
252	R	2
253	R	3
254	R	4
255	R	5
256	R	6
257	R	7
258	R	8
259	R	9

◆Supplement code

Conductive Polymer Aluminum Solid Capacitors (Chip and Radial lead type)
Conductive Polymer Hybrid Aluminum Electrolytic Capacitors (Chip and Radial lead type)
Aluminum Electrolytic Capacitors (Chip type)

	Terminal plating material	
	Sn	Sn-Bi
Coating case	S	G

Aluminum Electrolytic Capacitors (Radial lead and Snap-in type)

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

* Standard design of "environmental friendly" snap-in are not equipped with a plastic disk on the top of the can case.
We also produce snap-in type with "Plastic disk (PPE), PVC sleeve and Sn terminal plating".
In this case, supplement code ((PPE) the 18th digit) is "U". When the material of the plastic disk is PVC, the code is "T".

Aluminum Electrolytic Capacitors (Screw mount terminal type)

		Plastic disk material	
		PPE	PVC
Outer sleeve	PVC	U	M
	Polyolefin	S	–
	PET	–	C

* Supplement code (the 18th digit) is also "S" when "Outer sleeve material: Polyolefin, Plastic disk material: PET".