

# Surface Mount Aluminum Electrolytic

# CA Series

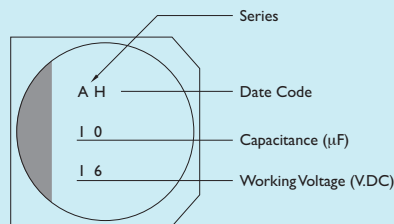


## FEATURE

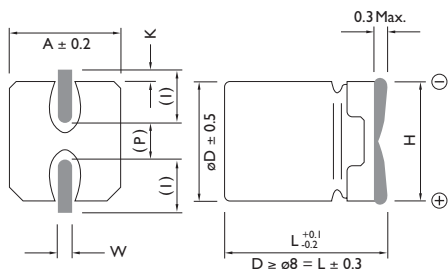
For General Purposes Series with 85°C 2000 Hours

Suitable for AV (TV, Video, Audio), Personal Computer, Home Appliance

## MARKING



## DIMENSIONS



( ) Reference Size

Unit : mm

SIZE CODE	DØ	L	A	H	I	W	P	K
A	3.0	5.4	3.3	4.5 Max.	1.5	0.55 ± 0.1	0.6	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
B	4.0	5.4	4.3	5.5 Max.	1.8	0.65 ± 0.1	1.0	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
C	5.0	5.4	5.3	6.5 Max.	2.2	0.65 ± 0.1	1.5	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
D	6.3	5.4	6.6	7.8 Max.	2.6	0.65 ± 0.1	2.2	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
E	8.0	6.2	8.3	9.4 Max.	3.4	0.65 ± 0.1	2.2	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
F	8.0	10.2	8.3	10.0 Max.	3.4	0.90 ± 0.2	3.1	0.70 ± 0.20
G	10.0	10.2	10.3	12.0 Max.	3.5	0.90 ± 0.2	4.6	0.70 ± 0.20





## PARTS NUMBER SYSTEM

Example : 10 $\mu$ F, 16V

<b>CA</b>	<b>016</b>	<b>M</b>	<b>0010</b>	<b>R</b>	<b>E</b>	<b>B</b>	<b>-</b>	<b>0405</b>
Series Name	Voltage Code	Tolerance	Capacitance Code	Package Code	Life Code	Size Code		Case Code

### CAPACITANCE TOLERANCE

M	$\pm 20\%$
K	$\pm 10\%$
W	-5% ~ +20%

### LIFE CODE

E	2000 Hours
S	1000 Hours
R	Special

### SIZE CODE

Size Code	A	B	C	D	E	F	G
D $\varnothing$ (mm)	3.0 x 5.4	4.0 x 5.4	5.0 x 5.4	6.3 x 5.4	8.0 x 6.2	8.0 x 10.2	10.0 x 10.2

### CAPACITANCE CODE

Capacitance	0.1	0.22	0.33	0.47	1.0	2.2	3.3	4.7	6.8	10	22	33	47	100	220	330	470	1000
Code	0R10	0R22	0R33	0R47	1R00	2R20	3R30	4R70	6R80	0010	0022	0033	0047	0100	0220	0330	0470	1000

### VOLTAGE CODE

Voltage	4	6.3	10	16	25	35	50	63	100
Code	004	006	010	016	025	035	050	063	100

### PACKAGE CODE

R Embossed Plastic Tape Reel

### CASE CODE

0305	3.0 x 5.4	0405	4.0 x 5.4	05.5	5.0 x 5.4	0605	6.3 x 5.4
0806	8.0 x 6.2	0810	8.0 x 10.2	1010	10.0 x 10.2		

Unit : mm

## STANDARD PRODUCTS

WV (VD.C)	CAP. ( $\mu$ F)	SIZE (mm)		PART NO.	D.F Max. 120 Hz	LEAKAGE CURRENT ( $\mu$ A/2 Min.) Max.	RIPPLE CURRENT (mA) r.m.s. 120 Hz / 85°C
		DØ	L				
4	22	3	5.4	CA004M0022REA-0305	0.37	3.0	19
	33	4	5.4	CA004M0033REB-0405	0.35	3.0	26
	47	4	5.4	CA004M0047REB-0405	0.35	3.0	34
	100	5	5.4	CA004M0100REC-0505	0.35	4.0	61
	220	6.3	5.4	CA004M0220RED-0605	0.35	8.8	82
6.3	22	3	5.4	CA006M0022REA-0305	0.37	3.0	20
	22	4	5.4	CA006M0022REB-0405	0.26	3.0	29
	33	4	5.4	CA006M0033REB-0405	0.35	3.0	22
	33	5	5.4	CA006M0033REC-0505	0.26	3.0	29
	47	5	5.4	CA006M0047REC-0505	0.26	3.0	46
	100	6.3	5.4	CA006M0100RED-0605	0.26	6.3	71
	330	8	6.2	CA006M0330REE-0806	0.35	20.8	300
	470	8	10.0	CA006M0470REF-0810	0.35	29.6	380
	1000	10	10.0	CA006M1000REG-1010	0.35	63.0	700
10	22	4	5.4	CA010M0022REB-0405	0.20	3.0	28
	33	4	5.4	CA010M0033REB-0405	0.30	3.3	29
	33	5	5.4	CA010M0033REC-0505	0.20	3.3	43
	47	5	5.4	CA010M0047REC-0505	0.30	4.7	43
	47	6.3	5.4	CA010M0047RED-0605	0.20	4.7	43
	100	6.3	5.4	CA010M0100RED-0605	0.20	10.0	70
	220	8	6.2	CA010M0220REE-0806	0.26	22.0	250
	330	8	10.0	CA010M0330REF-0810	0.26	33.0	330
	470	8	10.0	CA010M0470REF-0810	0.26	47.0	330
	470	10	10.0	CA010M0470REG-1010	0.26	47.0	400
	1000	10	10.0	CA010M1000REG-1010	0.26	100.0	580
16	6.8	4	5.4	CA016M6R80REB-0405	0.16	3.0	25
	10	3	5.4	CA016M0010REA-0305	0.18	3.0	20
	10	4	5.4	CA016M0010REB-0405	0.16	3.0	28
	22	4	5.4	CA016M0022REB-0405	0.26	3.5	28
	22	5	5.4	CA016M0022REC-0505	0.16	3.5	39
	33	5	5.4	CA016M0033REC-0505	0.16	5.3	35
	47	5	5.4	CA016M0047REC-0505	0.26	7.5	39
	47	6.3	5.4	CA016M0047RED-0605	0.16	7.5	70
	100	6.3	5.4	CA016M0100RED-0605	0.26	16.0	70
	100	8	6.2	CA016M0100REE-0806	0.20	16.0	200
	220	8	10.2	CA016M0220REF-0810	0.20	35.2	280
	330	8	10.2	CA016M0330REF-0810	0.20	52.8	320
	330	10	10.2	CA016M0330REG-1010	0.20	52.8	380
	470	10	10.2	CA016M0470REG-1010	0.20	75.2	420
25	4.7	3	5.4	CA025M4R70REA-0305	0.16	3.0	12
	4.7	4	5.4	CA025M4R70REB-0405	0.14	3.0	22
	10	4	5.4	CA025M0010REB-0405	0.14	3.0	21
	10	5	5.4	CA025M0010REC-0505	0.14	3.0	28
	22	6.3	5.4	CA025M0022RED-0605	0.14	5.5	55
	33	6.3	5.4	CA025M0033RED-0605	0.14	8.3	65
	47	6.3	5.4	CA025M0047RED-0605	0.16	11.8	80

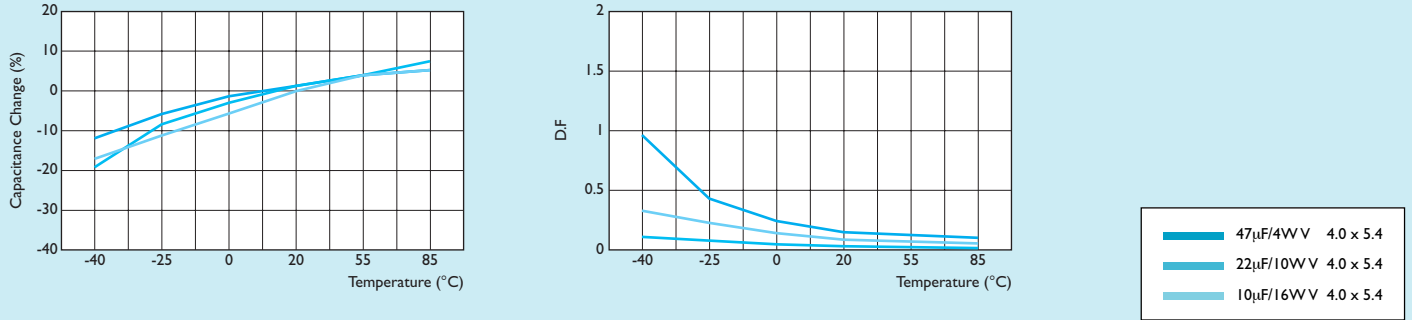


## STANDARD PRODUCTS

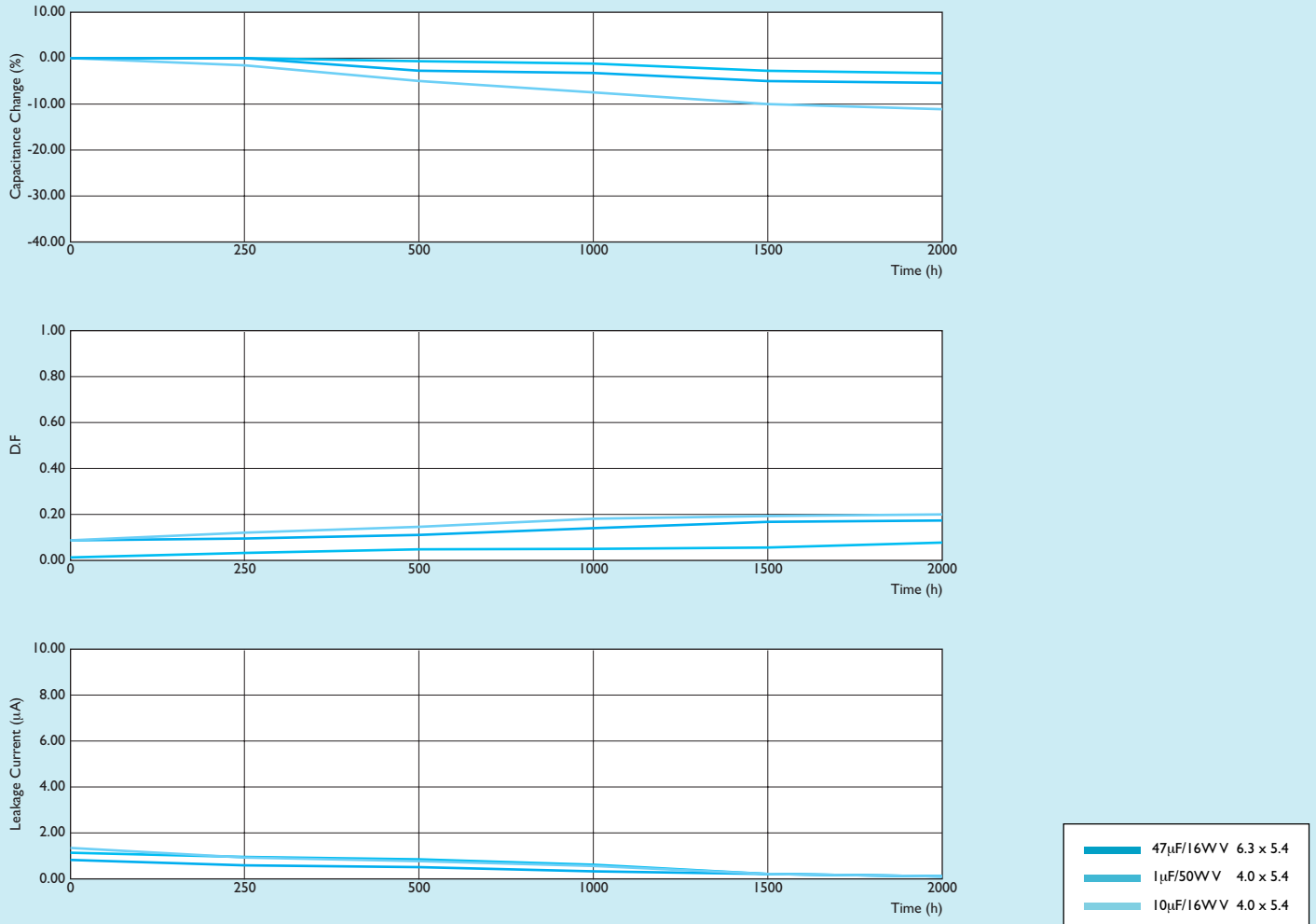
WV (VD.C)	CAP. ( $\mu$ F)	SIZE (mm)		PART NO.	D.F Max. 120 Hz	LEAKAGE CURRENT ( $\mu$ A/2 Min.) Max.	RIPPLE CURRENT (mA) r.m.s. 120 Hz / 85°C
		DØ	L				
25	100	8	6.2	CA025M0100REE-0806	0.16	25.0	91
	100	8	10.0	CA025M0100REF-0810	0.16	25.0	180
	220	8	10.0	CA025M0220REF-0810	0.16	55.0	140
	220	10	10.0	CA025M0220REG-1010	0.16	55.0	310
	330	10	10.0	CA025M0330REG-1010	0.16	82.5	340
35	2.2	3	5.4	CA035M2R20REA-0305	0.14	3.0	8
	3.3	3	5.4	CA035M3R30REA-0305	0.14	3.0	10
	4.7	4	5.4	CA035M4R70REB-0405	0.12	3.0	22
	10	5	5.4	CA035M0010REC-0505	0.12	3.5	30
	22	6.3	5.4	CA035M0022RED-0605	0.12	7.7	60
	33	6.3	5.4	CA035M0033RED-0605	0.14	11.6	70
	33	8	6.2	CA035M0033REE-0806	0.14	11.6	130
	47	8	6.2	CA035M0047REE-0806	0.14	16.5	165
	100	8	10.0	CA035M0100REF-0810	0.14	35.0	140
	100	10	10.0	CA035M0100REG-1010	0.14	35.0	210
	220	10	10.0	CA035M0220REG-1010	0.14	77.0	310
50	0.1	3	5.4	CA050M0R10REA-0305	0.14	3.0	1
	0.1	4	5.4	CA050M0R10REB-0405	0.12	3.0	1
	0.22	3	5.4	CA050M0R22REA-0305	0.14	3.0	2
	0.22	4	5.4	CA050M0R22REB-0405	0.12	3.0	2
	0.33	3	5.4	CA050M0R33REA-0305	0.14	3.0	3
	0.33	4	5.4	CA050M0R33REB-0405	0.12	3.0	3
	0.47	3	5.4	CA050M0R47REA-0305	0.14	3.0	5
	0.47	4	5.4	CA050M0R47REB-0405	0.12	3.0	5
	1	3	5.4	CA050M1R00REA-0305	0.14	3.0	8
	1	4	5.4	CA050M1R00REB-0405	0.12	3.0	10
	2.2	4	5.4	CA050M2R20REB-0405	0.12	3.0	16
	3.3	4	5.4	CA050M3R30REB-0405	0.12	3.0	16
	4.7	4	5.4	CA050M4R70REC-0505	0.12	3.0	23
	10	6.3	5.4	CA050M0010RED-0605	0.12	5.0	35
	22	6.3	5.4	CA050M0022RED-0605	0.12	11.0	70
	22	8	6.2	CA050M0022REE-0806	0.12	11.0	120
	33	8	6.2	CA050M0033REE-0806	0.12	16.5	65
	33	8	10.0	CA050M0033REF-0810	0.12	16.5	110
	47	8	10.0	CA050M0047REF-0810	0.12	23.5	110
	47	10	10.0	CA050M0047REG-1010	0.12	23.5	130
100	10	10.0	CA050M0100REG-1010	0.12	50.0	250	
63	10	8	6.2	CA063M0010REE-0806	0.18	6.3	35
	22	8	10.0	CA063M0022REF-0810	0.18	13.9	40
	33	8	10.0	CA063M0033REF-0810	0.18	20.8	45
	100	10	10.0	CA063M0100REG-1010	0.18	63.0	60
100	3.3	8	6.2	CA100M3R30REE-0806	0.18	3.3	50
	4.7	8	10.2	CA100M4R70REF-0810	0.18	4.7	80
	10	8	10.2	CA100M0010REF-0810	0.18	10.0	85
	22	10	10.2	CA100M0022REG-1010	0.18	22.0	85
	33	10	10.2	CA100M0033REG-1010	0.18	33.0	90

Note : Extended capacitance and voltage values as well as miniaturized products are available on request.

## TEMPERATURE CHARACTERISTICS DATA

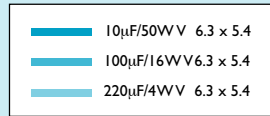
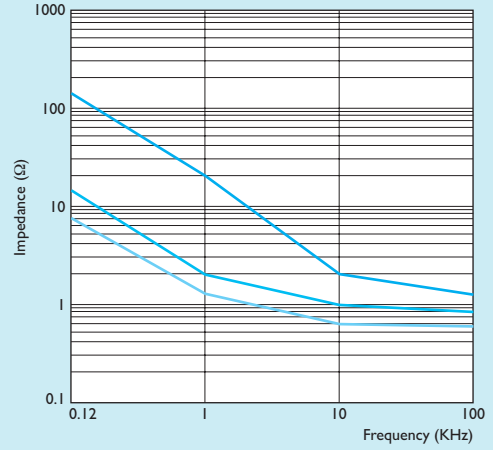
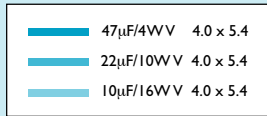
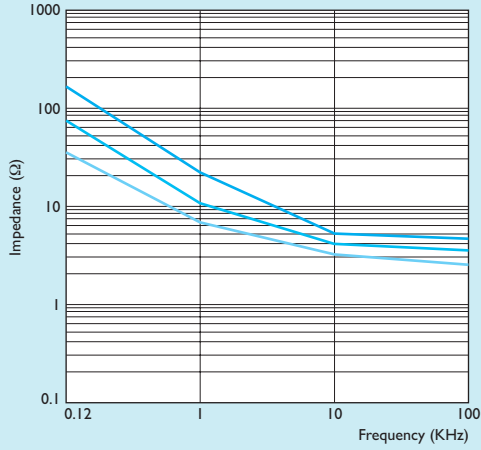


## LOAD LIFE DATA





## FREQUENCY CHARACTERISTICS DATA



## TEMPERATURE CHARACTERISTICS DATA

