

# SCREW TERMINAL TYPE ALUMINUM ELECTROLYTIC CAPACITORS

**UPGRADE!**

## VF Series

Useful of 4,000 hours at 85°C

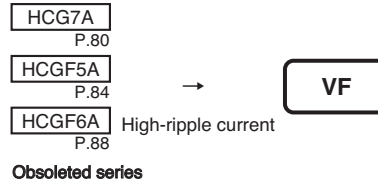
Standard



• Conform RoHS

### Features

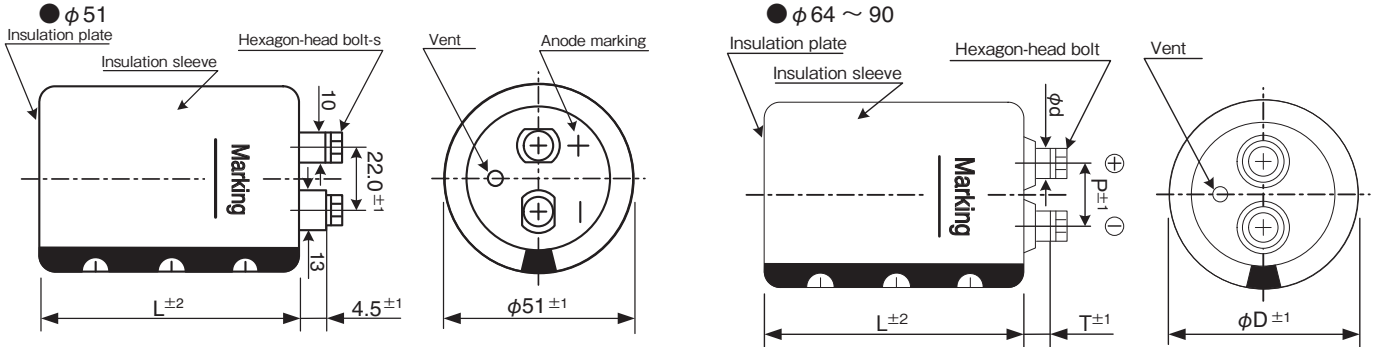
• Ripple current increased by 10% by new heat radiation construction with HCGF6A series.



### Product Specifications

Items	Specifications
Temperature range	-40°C ~ +85°C
Rated voltage	6.3 ~ 600V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
Leakage current	0.01CV (μA) or 5mA, whichever is smaller or less (20°C, after 5 minutes) [C = nominal capacitance (μF), V = rated voltage (V)]
Dissipation factor	Less than the value specified in the standard products table. (20°C, 120Hz)
Permissible ripple current	As specified in the standard product table. (85°C, 120Hz)
Endurance	After the rated voltage with specified ripple current is applied at 85°C for 2,000 hours : Capacitance change : Within ±15% of the initial value measured Dissipation factor : 175% or less than the initial value specified Leakage current : Less than or equal to the initial value specified
Shelf life	The following specification shall be meet when the capacitor are restored to 20°C after storage of 500 hours at 85°C with no voltage applied. Before the measurement, the capacitor shall be preconditioned by applying the voltage treatment according to Item 4.1 of JIS C 5101-4. Capacitance change : Within ±15% of the initial value mesured Dissipation factor : 175% or less than the initial value specified Leakage current : Less than or equal to the initial value specified
Others	JIS C 5101-4

### Dimensions



### Ripple current correction coefficient

Temperature correction coefficient

Temperature(°C)	60		85	
	6.3 ~ 100V.DC	2.19	1.00	
160 ~ 250V.DC	2.02	1.00		
350 ~ 600V.DC	1.67	1.00		

Frequency · Forced wind correction coefficient

Frequency(Hz)	120	300	1K	≥ 10K
Correction coefficient	1.0	1.1	1.3	1.4
Forced wind(m/s)	< 0.5	0.5 ≤		
Correction coefficient	1.0	1.1		

(unit : mm)

φ D	P	T	φ d	Hexagon-head bolt	Cap material
51	22.0	4.5	—	M5×10	Phenol resin
64	28.6	8.0	11.0	M5×10	Phenol resin
77	31.5	8.0	11.0	M5×10	Phenol resin
90	31.5	7.0	11.0	M5×10	Phenol resin

Terminal permissible current is limited to 60Arms. (Even if calculated the permissible ripple current with the correction coefficient exceeds 60Arms) Please consult us when the ripple voltage exceeds 50 Vp-p.

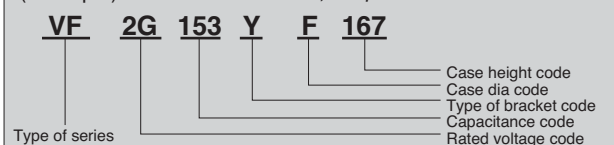
Refer to page 21 for product code.

Bracket

- Refer to page 22-23 for shapes and dimensions.
- Product names in the Standard Products Table correspond to the bracket for Type Y, but Type I bracket may be used (Type of bracket code = I).
- If bracket are not necessary, enter "N" for the type of bracket code.
- Bracket will be delivered separately.

### Product code

(Example) VF Series 400 V 15,000 μF ±20%



# SCREW TERMINAL TYPE ALUMINUM ELECTROLYTIC CAPACITORS

VF Series

Standard Products Table

Rated Voltage (V. DC)	Capacitance (μF)	Case size φD×L(mm)	tanδ 20°C, 120Hz	Ripple current (Arms) 85°C, 120Hz	ESR(typ.) (mΩ) 20°C, 100Hz	Z max (mΩ) 20°C, 10kHz	ESL(typ.) (nH)	Product name
6.3	220,000	51×96	1.40	10.0	13	14	21	VF0J224YC096
	270,000	51×109	1.40	12.8	10	11	21	VF0J274YC109
	330,000	64×94	1.50	16.1	8	9	22	VF0J334YD094
	470,000	64×107	1.80	18.6	7	8	22	VF0J474YD107
	560,000	64×123	2.40	19.7	6	7	22	VF0J564YD123
		77×95	2.40	18.3	6	7	24	VF0J564YE095
680,000	77×108	2.90	20.1	5	7	24	VF0J684YE108	
10	220,000	51×96	1.50	10.8	9	10	21	VF1A224YC096
	270,000	51×109	1.50	13.3	7	8	21	VF1A274YC109
	330,000	64×94	1.80	17.2	5	6	22	VF1A334YD094
	390,000	64×107	2.00	18.7	4	6	22	VF1A394YD107
	470,000	64×123	2.30	21.1	4	6	22	VF1A474YD123
		77×95	2.30	19.4	4	6	24	VF1A474YE095
	560,000	77×108	3.00	21.0	3	5	24	VF1A564YE108
		77×124	3.70	23.8	3	5	24	VF1A684YE124
680,000	90×97	3.70	22.9	3	5	24	VF1A684YF097	
16	180,000	51×109	1.20	11.4	7	10	21	VF1C184YC109
	220,000	51×125	1.40	14.1	5	8	21	VF1C224YC125
	270,000	64×94	1.60	16.2	4	6	22	VF1C274YD094
	330,000	64×123	1.80	18.3	4	6	22	VF1C334YD123
		77×95	1.80	18.0	4	6	24	VF1C334YE095
	390,000	77×108	2.40	19.5	4	5	24	VF1C394YE108
	470,000	77×124	2.90	22.0	3	5	24	VF1C474YE124
		90×97	2.90	21.9	3	5	24	VF1C474YF097
560,000	90×110	3.20	23.7	3	5	24	VF1C564YF110	
25	120,000	51×96	1.00	9.2	8	10	21	VF1E124YC096
	150,000	51×109	1.20	10.1	6	8	21	VF1E154YC109
	180,000	64×94	1.20	13.7	5	6	22	VF1E184YD094
	220,000	64×107	1.20	15.1	4	5	22	VF1E224YD107
	270,000	64×123	1.40	17.2	4	5	22	VF1E274YD123
	330,000	77×95	1.40	19.2	4	5	24	VF1E334YE095
	390,000	77×108	2.10	20.8	4	5	24	VF1E394YE108
	470,000	77×124	2.30	23.4	3	5	24	VF1E474YE124
90×97		2.30	22.9	3	5	24	VF1E474YF097	
560,000	90×110	2.30	24.8	3	4	24	VF1E564YF110	
35	82,000	51×96	0.80	8.8	8	11	21	VF1V823YC096
	100,000	51×109	1.00	10.6	6	9	21	VF1V104YC109
	120,000	64×94	1.00	12.9	5	7	22	VF1V124YD094
	150,000	64×107	1.00	14.4	5	7	22	VF1V154YD107
	180,000	64×123	1.20	16.3	5	7	22	VF1V184YD123
		77×95	1.20	15.2	5	7	24	VF1V184YE095
	220,000	77×108	1.20	16.8	5	7	24	VF1V224YE108
	270,000	77×124	1.80	19.0	4	6	24	VF1V274YE124
90×97		1.80	18.8	4	6	24	VF1V274YF097	
330,000	90×110	2.00	20.7	4	6	24	VF1V334YF110	
50	56,000	51×96	0.50	7.9	11	13	21	VF1H563YC096
	68,000	51×109	0.70	9.9	9	10	21	VF1H683YC109
	82,000	64×94	0.70	12.1	7	8	22	VF1H823YD094
	100,000	64×107	0.70	13.4	6	7	22	VF1H104YD107
	150,000	64×123	0.90	16.8	5	7	22	VF1H154YD123
		77×95	0.90	13.9	5	7	24	VF1H154YE095
	180,000	77×108	1.40	15.2	5	6	24	VF1H184YE108
	220,000	77×124	1.50	17.2	4	6	24	VF1H224YE124
90×97		1.50	16.5	4	6	24	VF1H224YF097	
270,000	90×110	1.50	18.2	3	5	24	VF1H274YF110	
63	39,000	51×96	0.40	8.2	13	14	21	VF1J393YC096
	47,000	51×109	0.40	9.1	10	11	21	VF1J473YC109
	56,000	64×94	0.50	13.3	8	9	22	VF1J563YD094
	68,000	64×107	0.50	14.6	7	8	22	VF1J683YD107
	82,000	64×123	0.70	16.5	7	8	22	VF1J823YD123
	100,000	77×95	0.70	15.5	7	8	24	VF1J104YE095
	120,000	77×108	1.10	16.9	6	7	24	VF1J124YE108
	150,000	77×124	1.20	19.3	6	7	24	VF1J154YE124
90×97		1.20	18.3	6	7	24	VF1J154YF097	
180,000	90×110	1.20	19.9	5	6	24	VF1J184YF110	

ALUMINUM ELECTROLYTIC CAPACITORS

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Standard Products Table

Rated Voltage (V. DC)	Capacitance ( $\mu$ F)	Case size $\phi$ D $\times$ L(mm)	$\tan\delta$ 20°C, 120Hz	Ripple current (Arms) 85°C, 120Hz	ESR(typ.) (m $\Omega$ ) 20°C, 100Hz	Z max (m $\Omega$ ) 20°C, 10kHz	ESL(typ.) (nH)	Product name
80	22,000	51 $\times$ 96	0.30	8.1	12	14	21	VF1K223YC096
	33,000	51 $\times$ 125	0.35	9.6	8	9	21	VF1K333YC125
	39,000	64 $\times$ 94	0.35	12.8	6	7	22	VF1K393YD094
	47,000	64 $\times$ 107	0.35	14.0	6	7	22	VF1K473YD107
	56,000	64 $\times$ 123	0.40	15.7	5	7	22	VF1K563YD123
		77 $\times$ 95	0.40	15.3	5	7	24	VF1K563YE095
	68,000	77 $\times$ 108	0.40	16.8	4	7	24	VF1K683YE108
	82,000	77 $\times$ 124	0.60	18.9	3	6	24	VF1K823YE124
90 $\times$ 97		0.60	18.1	3	6	24	VF1K823YF097	
100,000	90 $\times$ 110	0.70	19.8	3	6	24	VF1K104YF110	
100	15,000	51 $\times$ 96	0.20	6.7	12	14	21	VF2A153YC096
	18,000	51 $\times$ 109	0.20	8.6	10	11	21	VF2A183YC109
	22,000	64 $\times$ 94	0.20	9.6	8	9	22	VF2A223YD094
	33,000	64 $\times$ 107	0.25	11.7	6	7	22	VF2A333YD107
	39,000	64 $\times$ 123	0.30	13.1	5	7	22	VF2A393YD123
		77 $\times$ 95	0.30	12.8	5	7	24	VF2A393YE095
	47,000	77 $\times$ 108	0.30	14.0	5	7	24	VF2A473YE108
	56,000	77 $\times$ 124	0.45	15.6	4	6	24	VF2A563YE124
90 $\times$ 97		0.45	15.8	4	6	24	VF2A563YF097	
68,000	90 $\times$ 110	0.50	17.3	4	6	24	VF2A683YF110	
160	8,200	51 $\times$ 96	0.25	8.5	19	22	21	VF2C822YC096
	10,000	51 $\times$ 125	0.25	10.4	15	18	21	VF2C103YC125
	12,000	64 $\times$ 94	0.25	12.3	12	15	22	VF2C123YD094
	15,000	64 $\times$ 107	0.25	13.7	11	12	22	VF2C153YD107
	18,000	64 $\times$ 123	0.25	15.4	9	11	22	VF2C183YD123
		77 $\times$ 95	0.25	17.4	9	11	24	VF2C183YE095
	22,000	64 $\times$ 147	0.25	16.8	8	8	22	VF2C223YD147
		77 $\times$ 108	0.25	19.1	8	8	24	VF2C223YE108
	27,000	77 $\times$ 124	0.25	21.7	7	8	24	VF2C273YE124
		90 $\times$ 97	0.25	24.6	7	8	24	VF2C273YF097
33,000	77 $\times$ 148	0.25	23.5	6	7	24	VF2C333YE148	
	90 $\times$ 110	0.25	27.0	6	7	24	VF2C333YF110	
39,000	90 $\times$ 126	0.25	29.1	5	7	24	VF2C393YF126	
200	6,800	51 $\times$ 109	0.25	8.1	22	26	21	VF2D682YC109
	8,200	51 $\times$ 125	0.25	9.5	18	21	21	VF2D822YC125
	12,000	64 $\times$ 94	0.25	12.3	12	14	22	VF2D123YD094
	15,000	64 $\times$ 123	0.25	14.1	10	13	22	VF2D153YD123
		77 $\times$ 95	0.25	15.8	10	13	24	VF2D153YE095
	18,000	64 $\times$ 147	0.25	15.2	8	12	22	VF2D183YD147
		77 $\times$ 108	0.25	17.3	8	12	24	VF2D183YE108
	22,000	77 $\times$ 124	0.25	19.6	7	7	24	VF2D223YE124
		90 $\times$ 97	0.25	22.2	7	7	24	VF2D223YF097
	27,000	77 $\times$ 148	0.25	21.3	6	7	24	VF2D273YE148
90 $\times$ 110		0.25	24.4	6	7	24	VF2D273YF110	
33,000	90 $\times$ 126	0.25	26.7	5	7	24	VF2D333YF126	
250	4,700	51 $\times$ 109	0.25	6.8	27	29	21	VF2E472YC109
	5,600	51 $\times$ 125	0.25	7.8	22	24	21	VF2E562YC125
	8,200	64 $\times$ 94	0.25	10.2	15	16	22	VF2E822YD094
	10,000	64 $\times$ 123	0.25	11.5	12	14	22	VF2E103YD123
	12,000	64 $\times$ 147	0.25	12.4	10	11	22	VF2E123YD147
		77 $\times$ 95	0.25	14.2	10	11	24	VF2E123YE095
	15,000	77 $\times$ 124	0.25	16.2	8	11	24	VF2E153YE124
		90 $\times$ 97	0.25	18.3	8	11	24	VF2E153YF097
	18,000	77 $\times$ 148	0.25	17.4	7	10	24	VF2E183YE148
90 $\times$ 110		0.25	19.9	7	10	24	VF2E183YF110	
22,000	90 $\times$ 126	0.25	21.8	6	8	24	VF2E223YF126	

ALUMINUM ELECTROLYTIC CAPACITORS

# SCREW TERMINAL TYPE ALUMINUM ELECTROLYTIC CAPACITORS

VF Series

Standard Products Table

Rated Voltage (V. DC)	Capacitance (μF)	Case size φD×L(mm)	tanδ 20°C, 120Hz	Ripple current (Arms) 85°C, 120Hz	ESR(typ.) (mΩ) 20°C, 100Hz	Z max (mΩ) 20°C, 10kHz	ESL(typ.) (nH)	Product name
350	1,800	51×75	0.20	7.4	55	58	21	VF2V182YC075
	2,200	51×96	0.20	8.5	45	47	21	VF2V222YC096
	2,700	51×109	0.20	9.8	37	39	21	VF2V272YC109
	3,300	51×125	0.20	11.2	30	32	21	VF2V332YC125
	4,700	64×94	0.20	15.1	21	22	22	VF2V472YD094
	5,600	64×107	0.20	16.4	18	19	22	VF2V562YD107
	6,800	64×123	0.20	18.6	15	15	22	VF2V682YD123
		77×95	0.20	20.9	15	15	24	VF2V682YE095
	8,200	64×147	0.20	20.1	12	15	22	VF2V822YD147
		77×108	0.20	22.9	12	15	24	VF2V822YE108
	10,000	64×187	0.20	22.9	10	15	22	VF2V103YD187
		77×124	0.20	25.9	10	15	24	VF2V103YE124
	12,000	90×97	0.20	29.3	10	15	24	VF2V103YF097
		77×148	0.20	27.8	8	13	24	VF2V123YE148
	15,000	90×126	0.20	31.7	8	13	24	VF2V123YF126
		77×188	0.20	31.9	7	10	24	VF2V153YE188
18,000	90×150	0.20	35.2	7	10	24	VF2V153YF150	
	77×228	0.20	36.0	7	10	24	VF2V183YE228	
22,000	90×167	0.20	37.9	7	10	24	VF2V183YF167	
	90×230	0.20	41.1	6	9	24	VF2V223YF230	
27,000	90×268	0.20	43.0	5	7	24	VF2V273YF268	
400	1,500	51×75	0.20	6.8	68	73	21	VF2G152YC075
	2,200	51×96	0.20	8.5	47	50	21	VF2G222YC096
	2,700	51×109	0.20	9.8	38	41	21	VF2G272YC109
	3,300	51×125	0.20	11.2	31	34	21	VF2G332YC125
	3,900	64×94	0.20	13.7	26	28	22	VF2G392YD094
	4,700	64×107	0.20	15.0	21	22	22	VF2G472YD107
	5,600	64×123	0.20	16.9	18	19	22	VF2G562YD123
		77×95	0.20	19.0	18	19	24	VF2G562YE095
	6,800	64×147	0.20	18.3	15	15	22	VF2G682YD147
		77×108	0.20	20.8	15	15	24	VF2G682YE108
	8,200	64×187	0.20	20.8	12	15	22	VF2G822YD187
		77×124	0.20	23.5	12	15	24	VF2G822YE124
		90×97	0.20	26.6	12	15	24	VF2G822YF097
	10,000	77×148	0.20	25.4	10	15	24	VF2G103YE148
		90×110	0.20	29.1	10	15	24	VF2G103YF110
	12,000	77×188	0.20	28.5	8	13	24	VF2G123YE188
90×126		0.20	31.7	8	13	24	VF2G123YF126	
15,000	77×228	0.20	32.9	8	10	24	VF2G153YE228	
	90×167	0.20	34.6	8	10	24	VF2G153YF167	
18,000	90×190	0.20	38.2	6	9	24	VF2G183YF190	
22,000	90×230	0.20	41.1	5	7	24	VF2G223YF230	
27,000	90×268	0.20	43.0	4	6	24	VF2G273YF268	
450	1,200	51×75	0.20	6.3	86	90	21	VF2W122YC075
	1,500	51×96	0.20	7.5	69	72	21	VF2W152YC096
	1,800	51×109	0.20	8.4	57	60	21	VF2W182YC109
	2,200	51×125	0.20	9.4	47	50	21	VF2W222YC125
	2,700	64×94	0.20	11.7	38	40	22	VF2W272YD094
	3,300	64×107	0.20	12.9	30	35	22	VF2W332YD107
	3,900	64×123	0.20	14.4	27	32	22	VF2W392YD123
		77×95	0.20	16.2	27	32	24	VF2W392YE095
	4,700	77×108	0.20	17.8	21	21	24	VF2W472YE108
	5,600	64×147	0.20	17.0	20	20	22	VF2W562YD147
		77×124	0.20	19.9	20	20	24	VF2W562YE124
		90×97	0.20	22.5	20	20	24	VF2W562YF097
	6,800	64×187	0.20	19.4	15	18	22	VF2W682YD187
		77×148	0.20	21.4	15	18	24	VF2W682YE148
	8,200	90×110	0.20	24.6	15	18	24	VF2W682YF110
		77×165	0.20	24.0	14	16	24	VF2W822YE165
10,000	90×126	0.20	26.8	14	16	24	VF2W822YF126	
	77×188	0.20	26.7	10	15	24	VF2W103YE188	
12,000	90×150	0.20	29.4	10	15	24	VF2W103YF150	
	77×228	0.20	30.2	9	12	24	VF2W123YE228	
15,000	90×167	0.20	31.7	9	12	24	VF2W123YF167	
18,000	90×190	0.20	35.7	7	10	24	VF2W153YF190	
22,000	90×230	0.20	38.1	6	9	24	VF2W183YF230	
	90×268	0.20	39.8	5	7	24	VF2W223YF268	

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Standard Products Table

Rated Voltage (V. DC)	Capacitance ( $\mu$ F)	Case size $\phi$ D $\times$ L(mm)	$\tan\delta$ 20°C, 120Hz	Ripple current (Arms) 85°C, 120Hz	ESR(typ.) (m $\Omega$ ) 20°C, 100Hz	Z max (m $\Omega$ ) 20°C, 10kHz	ESL(typ.) (nH)	Product name
500	820	51 $\times$ 75	0.20	4.7	117	110	21	VF2H821YC075
	1,000	51 $\times$ 96	0.20	5.6	96	90	21	VF2H102YC096
	1,200	51 $\times$ 109	0.20	6.3	80	75	21	VF2H122YC109
	1,500	51 $\times$ 125	0.20	7.2	64	60	21	VF2H152YC125
	1,800	64 $\times$ 94	0.20	9.1	53	50	22	VF2H182YD094
	2,200	64 $\times$ 107	0.20	10.0	40	35	22	VF2H222YD107
	2,700	64 $\times$ 123	0.20	11.4	37	33	22	VF2H272YD123
		77 $\times$ 95	0.20	12.9	37	33	24	VF2H272YE095
	3,300	64 $\times$ 147	0.20	12.4	36	32	22	VF2H332YD147
		77 $\times$ 108	0.20	14.2	36	32	24	VF2H332YE108
	3,900	64 $\times$ 164	0.20	13.9	27	29	22	VF2H392YD164
		77 $\times$ 124	0.20	15.8	27	29	24	VF2H392YE124
	4,700	90 $\times$ 97	0.20	17.9	27	29	24	VF2H392YF097
		64 $\times$ 187	0.20	15.4	25	25	22	VF2H472YD187
		77 $\times$ 148	0.20	17.0	25	25	24	VF2H472YE148
	5,600	90 $\times$ 110	0.20	19.5	25	25	24	VF2H472YF110
		77 $\times$ 165	0.20	18.9	23	21	24	VF2H562YE165
		90 $\times$ 126	0.20	21.1	23	21	24	VF2H562YF126
6,800	77 $\times$ 188	0.20	20.9	20	18	24	VF2H682YE188	
	90 $\times$ 150	0.20	23.1	20	18	24	VF2H682YF150	
8,200	77 $\times$ 228	0.20	23.8	17	16	24	VF2H822YE228	
	90 $\times$ 167	0.20	25.0	17	16	24	VF2H822YF167	
10,000	90 $\times$ 190	0.20	27.8	14	16	24	VF2H103YF190	
12,000	90 $\times$ 230	0.20	29.6	12	14	24	VF2H123YF230	
15,000	90 $\times$ 268	0.20	31.4	10	12	24	VF2H153YF268	
550	680	51 $\times$ 75	0.20	4.2	165	177	21	VF2L681YC075
	820	51 $\times$ 96	0.20	5.0	137	147	21	VF2L821YC096
	1,000	51 $\times$ 109	0.20	5.6	112	120	21	VF2L102YC109
	1,200	51 $\times$ 125	0.20	6.4	93	100	21	VF2L122YC125
	1,500	64 $\times$ 94	0.20	8.1	74	80	22	VF2L152YD094
	1,800	64 $\times$ 107	0.20	8.9	61	50	22	VF2L182YD107
	2,200	64 $\times$ 123	0.20	10.1	53	50	22	VF2L222YD123
		77 $\times$ 95	0.20	11.4	53	50	24	VF2L222YE095
	2,700	64 $\times$ 147	0.20	11.0	40	35	22	VF2L272YD147
		77 $\times$ 108	0.20	12.5	40	35	24	VF2L272YE108
	3,300	64 $\times$ 164	0.20	12.5	38	32	22	VF2L332YD164
		90 $\times$ 97	0.20	16.1	38	32	24	VF2L332YF097
	3,900	64 $\times$ 187	0.20	13.7	30	27	22	VF2L392YD187
		77 $\times$ 124	0.20	15.4	30	27	24	VF2L392YE124
		90 $\times$ 110	0.20	17.4	30	27	24	VF2L392YF110
	4,700	77 $\times$ 165	0.20	16.9	25	20	24	VF2L472YE165
		90 $\times$ 126	0.20	18.9	25	20	24	VF2L472YF126
	5,600	77 $\times$ 188	0.20	18.6	20	17	24	VF2L562YE188
90 $\times$ 150		0.20	20.5	20	17	24	VF2L562YF150	
6,800	77 $\times$ 228	0.20	21.2	17	17	24	VF2L682YE228	
	90 $\times$ 167	0.20	22.2	17	17	24	VF2L682YF167	
8,200	90 $\times$ 190	0.20	24.6	14	14	24	VF2L822YF190	
10,000	90 $\times$ 230	0.20	26.5	12	12	24	VF2L103YF230	
12,000	90 $\times$ 268	0.20	27.4	10	10	24	VF2L123YF268	
600	560	51 $\times$ 75	0.20	2.9	225	169	21	VF600V561YC075
	680	51 $\times$ 96	0.20	3.4	186	139	21	VF600V681YC096
	820	51 $\times$ 109	0.20	3.9	154	116	21	VF600V821YC109
	1,000	51 $\times$ 125	0.20	4.4	126	95	21	VF600V102YC125
	1,500	64 $\times$ 107	0.20	8.7	84	63	22	VF600V152YD107
	1,800	64 $\times$ 123	0.20	9.8	70	53	22	VF600V182YD123
		77 $\times$ 95	0.20	11.0	70	53	24	VF600V182YE095
	2,200	64 $\times$ 147	0.20	10.6	58	44	22	VF600V222YD147
		77 $\times$ 108	0.20	12.1	58	44	24	VF600V222YE108
	2,700	64 $\times$ 164	0.20	12.1	47	35	22	VF600V272YD164
		77 $\times$ 124	0.20	13.8	47	35	24	VF600V272YE124
		90 $\times$ 97	0.20	15.6	47	35	24	VF600V272YF097
	3,300	64 $\times$ 187	0.20	13.5	39	29	22	VF600V332YD187
		77 $\times$ 148	0.20	14.9	39	29	24	VF600V332YE148
	3,900	90 $\times$ 110	0.20	17.1	39	29	24	VF600V332YF110
		77 $\times$ 165	0.20	16.5	33	25	24	VF600V392YE165
		90 $\times$ 126	0.20	18.5	33	25	24	VF600V392YF126
	4,700	77 $\times$ 188	0.20	18.3	27	20	24	VF600V472YE188
90 $\times$ 150		0.20	20.2	27	20	24	VF600V472YF150	
5,600	77 $\times$ 228	0.20	20.6	23	17	24	VF600V562YE228	
	90 $\times$ 167	0.20	21.6	23	17	24	VF600V562YF167	
6,800	90 $\times$ 230	0.20	23.4	19	14	24	VF600V682YF230	

ALUMINUM ELECTROLYTIC CAPACITORS

### Life time graph

Useful life depending on ambient temperature  $T_a$  and ripple current operating conditions  $I$  versus rated ripple current at  $85^\circ\text{C}$ , 120Hz

