WEET®
We Enhance Efficiency

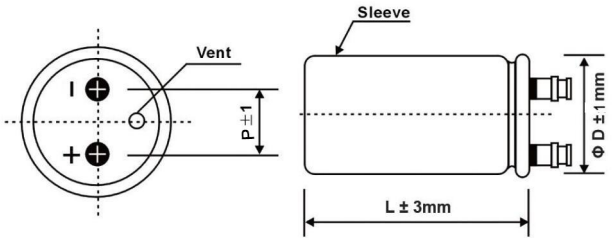
WEF Series

Large Aluminum Electrolytic Capacitors Screw

FEATURES

- High ripple current, Size may be selected
- Load life of 2000 hours at 105℃
- Used for computers, communication Powers
- Hi-ripple circuit of electric vehicle, electric train, general-purpose inverters

DIMENSIONS (mm)



ΦD	35	51	63	78	90
P	13	22	28	32	32

MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency Hz	50~60	120	300	1,000	≥ 10,000
Factor	0.80	1.00	1.10	1.30	1.40

Multiplier for Ripple Current vs. Temperature

Temperature ℃		40	55	70	85	105
Factor	10-250V	4.90	3.90	3.00	1.80	1.00
	350-450V	3.80	3.30	2.50	2.00	1.00

SPECIFICATIONS

Item	**Characteristics**	
Rated Voltage Range(v)	25~100	160~450
Operating Temperature Range(℃)	-40~+105	-25~+105
Capacitance Tolerance(20℃,120Hz)	±20%	
Leakage current(u A)	0.02CV or 5mA whichever is smaller(at 20℃,after 5 minutes) C:Nominal Capacitance(u F),V:Rated Voltage(V)	
Dissipation Factor(20℃,120Hz)	Less than the value specified in the standard products tables	
Temperature Stability(120Hz)	Capacitance change 25-100VDC:Capacitance at -40 ℃ shall not be less than 60% of the 20 160-400VDC:Capacitance at-25℃ shall not be less than 70% of the 20℃ value	
Load life(+105℃)	Life Time	2000hours
	Leakage Current	Not more than the specified value
	Capacitance change	Within±20% of the initial value
	Dissipation Factor	Not more than 200% of the specified value
Shelf Life(+105℃)	Life Time	1000hours
	Leakage Current	Not more than the specified value
	Capacitance change	Within±20% of the initial value
	Dissipation Factor	Not more than 200% of the specified value
	After test:UR TO be applied for 30 minutes,12 to 24 hours before measurement	

WEE Technology Company Limited
ROOM 1405, 14/F, LUCKY CENTRE,
171 WANCHAI ROAD,
WANCHAI, HONG KONG

STANDARD RATINGS

WV(v)	Surge	cap	Case size		tanδ	ESR 20℃	Ripple
(V.DC)	(V.DC)	(μF)	code	ΦD*L(mm)		20Hz(mΩ)	Arms
25	32	10000	A5	36*53	0.35	46	2.9
		15000	A8	36*83	0.35	31	4.2
		22000	A8	36*83	0.35	21	5.1
		33000	A10	36*100	0.4	16	6.3
		47000	C8R	51*75	0.4	11	8
		68000	C12R	51*115	0.5	10	10
		10000	D10R	64*96	0.6	80	11.3
		15000	D12R	64*115	0.8	71	12.9
		220000	E12R	77*115	1	6	14.8
		330000	F13R	90*131	1	4	19.9
35	44	6800	A5	36*53	0.3	59	2.6
		10000	A8	36*83	0.3	40	3.7
		15000	A8	36*83	0.3	27	4.5
		22000	A10	36*100	0.35	21	5.5
		33000	C8R	51*75	0.4	16	6.7
		47000	C10R	51*96	0.45	13	8.1
		68000	C12R	51*115	0.5	10	10
		100000	D12R	64*115	0.6	8	12.1
		150000	E12R	77*115	0.7	6	13.8
		220000	F13R	90*131	0.7	4	17.6
50	63	3300	A5	36*53	0.2	80	2.2
		4700	A5	36*53	0.25	71	3.3
		6800	A8	36*83	0.25	49	3.4
		10000	A8	36*83	0.25	33	4.1
		15000	A10	36*100	0.3	27	4.9
		22000	C8R	51*75	0.35	21	5.9
		33000	C12R	51*115	0.4	16	7.8
		47000	D10R	64*96	0.4	11	9.5
		680000	D12R	64*115	0.45	1	11.6
		100000	E12R	77*115	0.5	7	14.1
		150000	F13R	90*131	0.5	4	18.9

WV(v)	Surge	cap	Case size		tanδ	ESR 20℃	Ripple
(V.DC)	(V.DC)	(μF)	code	ΦD*L(mm)		120Hz(mΩ)	Arms
63	79	2200	A5	36*53	0.15	90	2.1
		3300	A5	36*53	0.2	80	2.2
		4700	A8	36*83	0.2	56	3.1
		6800	A8	36*83	0.2	39	3.7
		10000	A10	36*100	0.25	33	4.4
		15000	C8R	51*75	0.25	22	5.7
		22000	C10R	51*96	0.3	18	6.8
		33000	D10R	64*96	0.3	12	9.2
		47000	E10R	64*115	0.35	10	10.9
		68000	E12R	77*115	0.4	8	13
		100000	F13R	90*131	0.4	5	17.2
80	100	2200	A5	36*53	0.15	90	2.1
		3300	A8	36*83	0.15	60	3
		4700	A8	36*83	0.15	42	3.6
		6800	A10	36*100	0.2	39	4
		10000	C8R	51*75	0.2	27	5.2
		15000	C10R	51*96	0.25	22	6.2
		22000	D10R	64*96	0.25	15	8.2
		33000	E10R	77*96	0.3	12	9.7
		47000	E12R	77*115	0.3	8	12.5
		68000	F13R	90*131	0.3	6	16.4
100	125	1000	A5	36*53	0.15	199	1.4
		1200	A5	35*53	0.15	166	1.6
		1500	A5	36*53	0.15	133	1.7
		2200	A8	36*83	0.15	90	2.5
		3300	A8	36*83	0.15	60	3
		4700	A10	36*100	0.15	42	3.9
		6800	C8R	51*75	0.15	29	5
		10000	C10R	51*96	0.15	20	6.5
		15000	D10R	64*96	0.2	18	7.6
		22000	E10R	77*96	0.2	12	9.7
		33000	E13R	77*130	0.25	10	11.8
		47000	F13R	90*131	0.25	7	15

WEF Series

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WV(v)	Surge	cap	Case size		tanδ	ESR 20℃	Ripple
(V.DC)	(V.DC)	(μF)	code	ΦD*L(mm)		20Hz(mΩ)	Arms
160	200	470	A5	36*53	0.15	423	1
		680	A5	36*53	0.15	293	1.1
		1000	A8	36*83	0.15	199	1.7
		1500	A8	36*83	0.15	133	2
		2200	A10	36*100	0.15	90	2.7
		3300	C8R	51*83	0.15	60	3.5
		4700	C10R	51*96	0.15	42	4.4
		6800	D10R	64*96	0.15	29	5.9
		10000	E10R	77*96	0.15	20	7.6
		15000	E13R	77*110	0.15	13	10.3
		22000	F13R	90*131	0.15	9	13.2
200	250	330	A5	36*53	0.15	603	0.8
		470	A5	36*53	0.15	423	1
		680	A5	36*53	0.15	293	1.1
		1000	A8	36*83	0.15	199	1.7
		1500	A10	36*100	0.15	133	2.2
		2200	C8R	51*75	0.15	90	2.8
		3300	C10R	51*96	0.15	60	3.7
		4700	D10R	64*96	0.15	42	4.9
		6800	D12R	64*115	0.15	29	6.3
		10000	E12R	77*115	0.15	20	8.1
		15000	E13	77*130	0.15	13	10.9
		22000	E16R	77*155	0.15	9	14
250	300	330	A5	36*53	0.15	603	0.8
		470	A5	36*53	0.15	423	1
		680	A8	36*83	0.15	293	1.4
		1000	A10	30*100	0.15	199	1.9
		1500	C8R	51*75	0.15	133	2.3
		2200	C10R	51*96	0.15	90	3.1
		3300	D10R	64*96	0.15	60	4.2
		4700	D12R	64*115	0.15	42	5.4
		6800	E12R	77*115	0.15	29	6.9
		10000	E16R	77*155	0.15	20	9.3
		15000	F13	90*130	0.15	13	12.2
		22000	F16R	90*157	0.15	9	18
		33000	F22	90*220	0.15	6	25

WV(v)	Surge	cap	Case size		tanδ	ESR 20℃	Ripple
(V.DC)	(V.DC)	(μF)	code	ΦD*L(mm)		120Hz(mΩ)	Arms
400	450	1000	C8R	51*75	0.15	199	2.5
		1200	C10R	51*96	0.15	166	3
		1500	C12R	51*115	0.15	133	3.6
		1800	C13R	51*130	0.15	111	4.1
		2200	D10R	64*96	0.15	90	4.5
		2700	D12R	64*115	0.15	74	5.3
		3300	D13R	64*130	0.15	60	6.2
		3300	E10	77*100	0.15	60	6.5
		3900	D16R	64*155	0.15	51	7.2
		3900	E12R	77*115	0.15	51	6.8
		4700	D20R	64*195	0.15	42	8.7
		4700	E13R	77*130	0.15	42	7.8
		5600	D20R	64*195	0.15	36	9.6
		5600	E16R	77*155	0.15	36	9.2
		6800	E16R	77*155	0.15	29	9.9
		6800	F16R	90*157	0.15	29	10.7
		8200	F16R	90*157	0.15	24	11.8
		10000	F16R	90*157	0.15	20	14.1
		12000	F20R	90*196	0.15	17	17
450	500	220	A5	36*53	0.15	905	1.1
		330	A10	36*100	0.15	603	1.5
		470	C8R	51*83	0.15	423	2.1
		680	C10R	51*96	0.15	293	2.7
		1000	C10	51*100	0.15	199	4.2
		1500	C13R	51*130	0.15	133	5.7
		2200	D12R	64*115	0.15	90	7.3
		3300	E13R	77*130	0.15	60	10.1
		4700	E16R	77*155	0.15	42	12.6
		5600	F16R	90*157	0.15	36	15.8
		6800	F16R	90*157	0.15	29	17.8
		8200	F20R	90*196	0.15	24	19.8
		10000	F22	90*220	0.15	20	22.7

Note: Other Values are available on request. WEET is capable of doing custom service for you.

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PN Structure

WEF	1E	223	M	03600830	100	B	R
Series	Rated Voltage	Capacitance	Capacitance Tolerance	Dimension	Pitch/ Pins	Packing	Pb
	1.	2.	3.	4.	5.	6.	7.

1. Rated Voltage

Code	0J	1A	1C	1D	1E	1V	1G	1H	1J	1K	2A	2B
Voltage	6.3V	10V	16V	20V	25V	35V	40V	50V	63V	80V	100V	120V
Code	**2C**	**2K**	**2D**	**2E**	**2F**	**2U**	**2V**	**2G**	**2X**	**2W**	**2H**	**2Y**
Voltage	160V	180V	200V	250V	315V	330V	350V	400V	420V	450V	500V	550V

2. Capacitance

Code	0R1	R22	R33	R47	010	2R2	3R3	4R7	100	470	101	562	223	334
Capacitance (μF)	0.1	0.22	0.33	0.47	1	2.2	3.3	4.7	10	47	100	5600	22000	330000

3. Capacitance Tolerance

Code	K	L	M
Tolerance	±10%	±15%	±20%

4. Dimension

Code	00500095	00630085	03600530	07701550
Dimension (mm)	5x9.5	6.3x8.5	36x53	77x155

5. Pitch

Code	020	025	075	100	220	320
Pitch (mm)	2.0	2.5	7.5	10.0	22	32

6. Packing

Code	A	B
Packing	Ammo	Bulk

7. Pb

Code	L	R
Pb	Leaded	RoHS