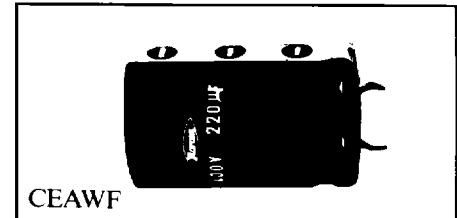


## CEAWF SERIES

SNAP-IN TERMINALS FOR +85°C OPERATION

### • FEATURES

1. Large capacitance in small size, smaller than HSW, TSW
2. Long life, 85°C, 2,000 hrs. guaranteed
3. Washable with Freon TE, TES, TMS for 5 minutes for rated voltage  $\leq$  250VDC



### • GENERAL SPECIFICATIONS

Operating temperature range	-40°C ~ +85°C: 10 to 250VDC -25°C ~ +85°C: 315 to 450VDC
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Capacitance tolerance	$\pm 20\%$ (@120 Hz, 20°C, Initial)
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Nominal capacitance range	47 ~ 47,000 $\mu$ F
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Rated voltage	10VDC ~ 450VDC
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Max. leakage current (@20°C, 5 minutes)	$I \leq 0.02CV$ ( $\mu$ A) or 2 mA whichever is smaller. where C: Nominal capacitance ( $\mu$ F) V: Rated DC voltage (VDC) I: Max. leakage current ( $\mu$ A)
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Max. dissipation factor (tan $\delta$ @ 120 Hz, 20°C)	Shall not exceed the following value.					
	R.V (VDC)	10~25	35~50	63~100	160~250	315~450
	C $\leq$ 2,000 $\mu$ F	—	0.20	0.15	0.10	0.20
	2,700 ~ 4,800 $\mu$ F	0.30	0.25	0.20	—	—
	8,200 $\mu$ F	0.35	0.30	0.25	—	—
	10,000 ~ 31,000 $\mu$ F	0.70	0.50	0.30	—	—
	39,000 $\mu$ F $\leq$ C	0.90	—	—	—	—

Impedance ratio at low temperature (@ 120 Hz)	Shall not exceed the following value.				
	RV (VDC)	10 ~ 16	25 ~ 100	160 ~ 250	315 ~ 450
	-25°C/20°C	4	3	3	8
	-40°C/20°C	12	6	8	—

Life test (Rated voltage is applied for 2000 hours at 85°C.)  
 Capacitance change : within  $\pm 20\%$  of the initial value at 120Hz, 20°C.  
 tan  $\delta$  : less than 200% of the specified value above.  
 Leakage current : less than the specified value above.

Standard JIS C 5141 (1982) characteristic W

● Dimension

FIG. 1 Case size 22φ, 25φ, 30φ, 35φ X 25ℓ ~ 35ℓ and 40φ X 25ℓ

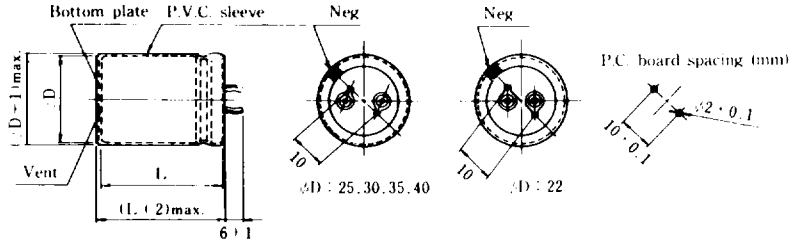
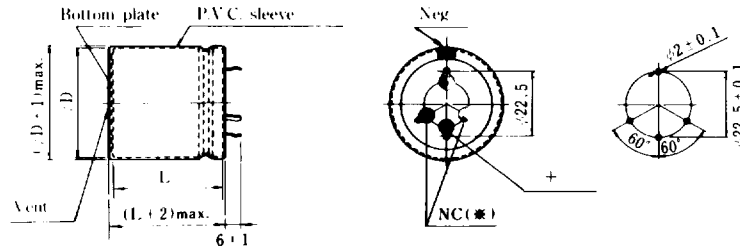


FIG. 2 Case size 35φ X 40ℓ ~ 50ℓ and 40φ X 30ℓ ~ 40ℓ



NC: Please use the NC terminals for mechanical support only.

The blank terminals must not be connected to a solder trace on the PC board, but be electrically isolated from negative or positive terminal.

Case size 35ℓ X 40ℓ 70ℓ have 2 pin type (FIG. 1) and 4 pin type (FIG. 2). 4 pin type is recommended in the application where vibration or mechanical shock is present.

Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max. Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF1A123M10	10	12000	2000	0.0967	2.34	22 x 25	2
CEAWF1A153M10	10	15000	2000	0.0774	2.81	22 x 30	2
CEAWF1A153M20	10	15000	2000	0.0774	2.76	25 x 25	2
CEAWF1A183M10	10	18000	2000	0.0645	2.99	22 x 35	2
CEAWF1A183M20	10	18000	2000	0.0645	2.94	25 x 25	2
CEAWF1A223M10	10	22000	2000	0.0528	3.60	22 x 35	2
CEAWF1A223M20	10	22000	2000	0.0528	3.55	25 x 30	2
CEAWF1A223M30	10	22000	2000	0.0528	3.49	30 x 25	2
CEAWF1A273M10	10	27000	2000	0.0430	4.20	22 x 45	2
CEAWF1A273M20	10	27000	2000	0.0430	4.15	25 x 35	2
CEAWF1A273M30	10	27000	2000	0.0430	4.09	30 x 30	2
CEAWF1A273M40	10	27000	2000	0.0430	4.02	35 x 25	2
CEAWF1A333M10	10	33000	2000	0.0352	4.31	22 x 50	2
CEAWF1A333M20	10	33000	2000	0.0352	4.26	25 x 40	2
CEAWF1A333M30	10	33000	2000	0.0352	4.20	30 x 30	2
CEAWF1A333M40	10	33000	2000	0.0352	4.13	35 x 25	2
CEAWF1A393M20	10	39000	2000	0.0383	4.61	25 x 45	2
CEAWF1A393M30	10	39000	2000	0.0383	4.55	30 x 35	2
CEAWF1A393M40	10	39000	2000	0.0383	4.48	35 x 30	2
CEAWF1A393M50	10	39000	2000	0.0383	4.40	40 x 25	2
CEAWF1A473M20	10	47000	2000	0.0317	4.71	25 x 50	2
CEAWF1A473M30	10	47000	2000	0.0317	4.65	30 x 40	2
CEAWF1A473M40	10	47000	2000	0.0317	4.58	35 x 30	2
CEAWF1A473M50	10	47000	2000	0.0317	4.50	40 x 25	2

Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF1C822M10	16	8200	2000	0.0708	2.37	22 x 25	2
CEAWF1C103M10	16	10000	2000	0.116	2.84	22 x 30	2
CEAWF1C103M20	16	10000	2000	0.116	2.76	25 x 25	2
CEAWF1C122M10	16	12000	2000	0.0967	3.30	22 x 35	2
CEAWF1C122M20	16	12000	2000	0.0967	2.94	25 x 25	2
CEAWF1C153M10	16	15000	2000	0.0774	3.94	22 x 40	2
CEAWF1C153M20	16	15000	2000	0.0774	3.58	25 x 30	2
CEAWF1C153M30	16	15000	2000	0.0774	3.51	30 x 25	2
CEAWF1C183M10	16	18000	2000	0.0645	4.53	22 x 45	2
CEAWF1C183M20	16	18000	2000	0.0645	4.21	25 x 35	2
CEAWF1C183M30	16	18000	2000	0.0645	4.23	30 x 30	2
CEAWF1C183M40	16	18000	2000	0.0645	4.02	35 x 25	2
CEAWF1C223M10	16	22000	2000	0.0528	5.23	22 x 50	2
CEAWF1C223M20	16	22000	2000	0.0528	4.92	25 x 40	2
CEAWF1C223M30	16	22000	2000	0.0528	4.45	30 x 30	2
CEAWF1C223M40	16	22000	2000	0.0528	4.13	35 x 25	2
CEAWF1C273M20	16	27000	2000	0.0430	5.20	25 x 45	2
CEAWF1C273M30	16	27000	2000	0.0430	5.14	30 x 35	2
CEAWF1C273M40	16	27000	2000	0.0430	5.07	35 x 30	2
CEAWF1C273M50	16	27000	2000	0.0430	4.53	40 x 25	2
CEAWF1C333M30	16	33000	2000	0.0352	5.80	30 x 40	2
CEAWF1C333M40	16	33000	2000	0.0352	5.15	35 x 30	2
CEAWF1C333M50	16	33000	2000	0.0352	4.48	40 x 25	2
CEAWF1C393M30	16	39000	2000	0.0383	5.85	30 x 45	2
CEAWF1C393M40	16	39000	2000	0.0383	5.66	35 x 35	2
CEAWF1C393M50	16	39000	2000	0.0383	5.58	40 x 30	4
CEAWF1C473M30	16	47000	2000	0.0317	6.78	30 x 50	2
CEAWF1C473M40	16	47000	2000	0.0317	6.71	35 x 40	4
CEAWF1C473M41	16	47000	2000	0.0317	6.71	35 x 40	2
CEAWF1C473M50	16	47000	2000	0.0317	6.63	40 x 35	4
CEAWF1E472M10	25	4700	2000	0.106	2.20	22 x 25	2
CEAWF1E562M10	25	5600	2000	0.0888	2.40	22 x 30	2
CEAWF1E562M20	25	5600	2000	0.0888	2.40	25 x 25	2
CEAWF1E682M10	25	6800	2000	0.0731	2.60	22 x 35	2
CEAWF1E682M20	25	6800	2000	0.0731	2.55	25 x 25	2
CEAWF1E822M10	25	8200	2000	0.0708	3.31	22 x 35	2
CEAWF1E822M20	25	8200	2000	0.0708	3.26	25 x 30	2
CEAWF1E822M30	25	8200	2000	0.0708	3.20	30 x 25	2
CEAWF1E103M10	25	10000	2000	0.116	3.40	22 x 45	2
CEAWF1E103M20	25	10000	2000	0.116	3.32	25 x 35	2
CEAWF1E103M30	25	10000	2000	0.116	3.31	30 x 25	2
CEAWF1E123M10	25	12000	2000	0.0967	4.00	22 x 50	2
CEAWF1E123M20	25	12000	2000	0.0967	3.95	25 x 40	2
CEAWF1E123M30	25	12000	2000	0.0967	3.89	30 x 30	2
CEAWF1E123M40	25	12000	2000	0.0967	3.82	35 x 25	2
CEAWF1E153M20	25	15000	2000	0.0774	4.50	25 x 45	2
CEAWF1E153M30	25	15000	2000	0.0774	4.46	30 x 35	2
CEAWF1E153M40	25	15000	2000	0.0774	4.39	35 x 30	2
CEAWF1E153M50	25	15000	2000	0.0774	4.31	40 x 25	2
CEAWF1E183M20	25	18000	2000	0.0645	5.10	25 x 50	2
CEAWF1E183M30	25	18000	2000	0.0645	5.04	30 x 40	2
CEAWF1E183M40	25	18000	2000	0.0645	4.97	35 x 30	2
CEAWF1E183M50	25	18000	2000	0.0645	4.89	40 x 25	2
CEAWF1E223M30	25	22000	2000	0.0528	5.80	30 x 45	2
CEAWF1E223M40	25	22000	2000	0.0528	5.73	35 x 35	2
CEAWF1E223M50	25	22000	2000	0.0528	5.65	40 x 30	4
CEAWF1E273M30	25	27000	2000	0.0430	6.60	30 x 50	2
CEAWF1E273M40	25	27000	2000	0.0430	6.53	35 x 40	4
CEAWF1E273M41	25	27000	2000	0.0430	6.53	35 x 40	2
CEAWF1E273M50	25	27000	2000	0.0430	6.45	40 x 35	4

Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max. Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF1E333M40	25	33000	2000	0.0352	7.20	35 x 50	4
CEAWF1E333M41	25	33000	2000	0.0352	7.20	35 x 50	2
CEAWF1E333M50	25	33000	2000	0.0352	7.18	40 x 40	4
CEAWF1V332M10	35	3300	2000	0.125	2.20	22 x 25	2
CEAWF1V392M10	35	3900	2000	0.106	2.25	22 x 30	2
CEAWF1V392M20	35	3900	2000	0.106	2.20	25 x 25	2
CEAWF1V472M10	35	4700	2000	0.0882	2.40	22 x 30	2
CEAWF1V472M20	35	4700	2000	0.0882	2.35	25 x 25	2
CEAWF1V562M10	35	5600	2000	0.0740	2.75	22 x 35	2
CEAWF1V562M20	35	5600	2000	0.0740	2.70	25 x 30	2
CEAWF1V562M30	35	5600	2000	0.0740	2.64	30 x 25	2
CEAWF1V682M10	35	6800	2000	0.0610	3.06	22 x 40	2
CEAWF1V682M20	35	6800	2000	0.0610	3.01	25 x 30	2
CEAWF1V682M30	35	6800	2000	0.0610	2.95	30 x 25	2
CEAWF1V822M10	35	8200	2000	0.0607	3.50	22 x 45	2
CEAWF1V822M20	35	8200	2000	0.0607	3.45	25 x 35	2
CEAWF1V822M30	35	8200	2000	0.0607	3.39	30 x 30	2
CEAWF1V822M40	35	8200	2000	0.0607	3.32	35 x 25	2
CEAWF1V103M20	35	10000	2000	0.0829	4.06	25 x 40	2
CEAWF1V103M30	35	10000	2000	0.0829	4.00	30 x 30	2
CEAWF1V103M40	35	10000	2000	0.0829	3.93	35 x 25	2
CEAWF1V123M20	35	12000	2000	0.0691	4.50	25 x 45	2
CEAWF1V123M30	35	12000	2000	0.0691	4.44	30 x 35	2
CEAWF1V123M40	35	12000	2000	0.0691	4.37	35 x 30	2
CEAWF1V123M50	35	12000	2000	0.0691	4.29	40 x 25	2
CEAWF1V153M30	35	15000	2000	0.0553	5.07	30 x 40	2
CEAWF1V153M40	35	15000	2000	0.0553	5.00	35 x 35	2
CEAWF1V153M50	35	15000	2000	0.0553	4.92	40 x 30	4
CEAWF1V183M30	35	18000	2000	0.0461	5.55	30 x 45	2
CEAWF1V183M40	35	18000	2000	0.0461	5.50	35 x 40	4
CEAWF1V183M41	35	18000	2000	0.0461	5.50	35 x 40	2
CEAWF1V183M50	35	18000	2000	0.0461	5.42	40 x 30	4
CEAWF1V223M40	35	22000	2000	0.0377	6.25	35 x 45	4
CEAWF1V223M41	35	22000	2000	0.0377	6.25	35 x 45	2
CEAWF1V223M50	35	22000	2000	0.0377	6.17	40 x 35	4
CEAWF1V273M40	35	27000	2000	0.0307	7.00	35 x 50	4
CEAWF1V273M41	35	27000	2000	0.0307	7.00	35 x 50	2
CEAWF1V273M50	35	27000	2000	0.0307	6.92	40 x 40	4
CEAWF1H222M10	50	2200	2000	0.188	2.00	22 x 25	2
CEAWF1H272M10	50	2700	2000	0.154	2.11	22 x 30	2
CEAWF1H272M20	50	2700	2000	0.154	2.06	25 x 25	2
CEAWF1H332M10	50	3300	2000	0.126	2.40	22 x 30	2
CEAWF1H332M20	50	3300	2000	0.126	2.35	25 x 25	2
CEAWF1H392M10	50	3900	2000	0.106	2.55	22 x 35	2
CEAWF1H392M20	50	3900	2000	0.106	2.50	25 x 30	2
CEAWF1H392M30	50	3900	2000	0.106	2.46	30 x 25	2
CEAWF1H472M10	50	4700	2000	0.0882	2.91	22 x 40	2
CEAWF1H472M20	50	4700	2000	0.0882	2.86	25 x 35	2
CEAWF1H472M30	50	4700	2000	0.0882	2.80	30 x 25	2
CEAWF1H562M10	50	5600	2000	0.0740	3.39	22 x 50	2
CEAWF1H562M20	50	5600	2000	0.0740	3.34	25 x 40	2
CEAWF1H562M30	50	5600	2000	0.0740	3.30	30 x 30	2
CEAWF1H562M40	50	5600	2000	0.0740	3.27	35 x 25	2
CEAWF1H682M20	50	6800	2000	0.0610	3.86	25 x 45	2
CEAWF1H682M30	50	6800	2000	0.0610	3.80	30 x 35	2
CEAWF1H682M40	50	6800	2000	0.0610	3.73	35 x 30	2
CEAWF1H682M50	50	6800	2000	0.0610	3.65	40 x 25	2
CEAWF1H822M20	50	8200	2000	0.0607	4.41	25 x 50	2
CEAWF1H822M30	50	8200	2000	0.0607	4.35	30 x 40	2

Part No.	Rated Voltage (VDC)	Capacitance ( $\mu$ F)	Max. Leakage Current ( $\mu$ A)	Max. E.S.R ( $\Omega$ ) @ 120Hz, 20°C	Max. Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF1H822M40	50	8200	2000	0.0607	4.28	35 x 30	2
CEAWF1H822M50	50	8200	2000	0.0607	4.20	40 x 25	2
CEAWF1H103M30	50	10000	2000	0.0829	4.75	30 x 45	2
CEAWF1H103M40	50	10000	2000	0.0829	4.70	35 x 35	2
CEAWF1H103M50	50	10000	2000	0.0829	4.62	40 x 30	4
CEAWF1H123M30	50	12000	2000	0.0691	5.30	30 x 50	2
CEAWF1H123M40	50	12000	2000	0.0691	5.25	35 x 40	4
CEAWF1H123M41	50	12000	2000	0.0691	5.25	35 x 40	2
CEAWF1H123M50	50	12000	2000	0.0691	5.17	40 x 35	4
CEAWF1H153M40	50	15000	2000	0.0553	5.90	35 x 45	4
CEAWF1H153M41	50	15000	2000	0.0553	5.90	35 x 45	2
CEAWF1H153M50	50	15000	2000	0.0553	5.82	40 x 40	4
CEAWF1J152M10	63	1500	1890	0.166	2.00	22 x 25	2
CEAWF1J182M10	63	1800	2000	0.138	2.05	22 x 30	2
CEAWF1J182M20	63	1800	2000	0.138	2.00	25 x 25	2
CEAWF1J222M10	63	2200	2000	0.113	2.35	22 x 30	2
CEAWF1J222M20	63	2200	2000	0.113	2.30	25 x 25	2
CEAWF1J272M10	63	2700	2000	0.123	2.40	22 x 35	2
CEAWF1J272M20	63	2700	2000	0.123	2.45	25 x 30	2
CEAWF1J272M30	63	2700	2000	0.123	2.39	30 x 25	2
CEAWF1J332M10	63	3300	2000	0.101	2.86	22 x 40	2
CEAWF1J332M20	63	3300	2000	0.101	2.81	25 x 35	2
CEAWF1J332M30	63	3300	2000	0.101	2.75	30 x 25	2
CEAWF1J392M10	63	3900	2000	0.0850	3.11	22 x 45	2
CEAWF1J392M20	63	3900	2000	0.0850	3.06	25 x 40	2
CEAWF1J392M30	63	3900	2000	0.0850	3.00	30 x 30	2
CEAWF1J392M40	63	3900	2000	0.0850	2.93	35 x 25	2
CEAWF1J472M10	63	4700	2000	0.0705	3.30	22 x 50	2
CEAWF1J472M20	63	4700	2000	0.0705	3.25	25 x 45	2
CEAWF1J472M30	63	4700	2000	0.0705	3.20	30 x 30	2
CEAWF1J472M40	63	4700	2000	0.0705	3.13	35 x 25	2
CEAWF1J562M20	63	5600	2000	0.0592	3.75	25 x 50	2
CEAWF1J562M30	63	5600	2000	0.0592	3.69	30 x 40	2
CEAWF1J562M40	63	5600	2000	0.0592	3.62	35 x 30	2
CEAWF1J562M50	63	5600	2000	0.0592	3.54	40 x 25	2
CEAWF1J682M30	63	6800	2000	0.0488	4.20	30 x 45	2
CEAWF1J682M40	63	6800	2000	0.0488	4.15	35 x 35	2
CEAWF1J682M50	63	6800	2000	0.0488	4.07	40 x 30	4
CEAWF1J822M30	63	8200	2000	0.0505	4.70	30 x 50	2
CEAWF1J822M40	63	8200	2000	0.0505	4.65	35 x 35	2
CEAWF1J822M50	63	8200	2000	0.0505	4.57	40 x 30	4
CEAWF1J103M40	63	10000	2000	0.0497	5.20	35 x 45	4
CEAWF1J103M41	63	10000	2000	0.0497	5.20	35 x 45	2
CEAWF1J103M50	63	10000	2000	0.0497	5.12	40 x 35	4
CEAWF1J123M40	63	12000	2000	0.0414	6.10	35 x 50	4
CEAWF1J123M41	63	12000	2000	0.0414	6.10	35 x 50	2
CEAWF1J123M50	63	12000	2000	0.0414	6.02	40 x 40	4
CEAWF1K102M10	80	1000	1600	0.249	1.65	22 x 25	2
CEAWF1K122M10	80	1200	1920	0.207	1.87	22 x 30	2
CEAWF1K122M20	80	1200	1920	0.207	1.82	25 x 25	2
CEAWF1K152M10	80	1500	2000	0.166	2.20	22 x 35	2
CEAWF1K152M20	80	1500	2000	0.166	2.15	25 x 25	2
CEAWF1K182M10	80	1800	2000	0.138	2.51	22 x 40	2
CEAWF1K182M20	80	1800	2000	0.138	2.46	25 x 30	2
CEAWF1K182M30	80	1800	2000	0.138	2.40	30 x 25	2
CEAWF1K222M10	80	2200	2000	0.113	2.71	22 x 40	2
CEAWF1K222M20	80	2200	2000	0.113	2.66	25 x 35	2
CEAWF1K222M30	80	2200	2000	0.113	2.60	30 x 25	2
CEAWF1K272M10	80	2700	2000	0.123	3.10	22 x 45	2

Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF1K272M20	80	2700	2000	0.123	3.05	25 x 40	2
CEAWF1K272M30	80	2700	2000	0.123	2.99	30 x 30	2
CEAWF1K272M40	80	2700	2000	0.123	2.92	35 x 25	2
CEAWF1K332M10	80	3300	2000	0.101	3.46	22 x 50	2
CEAWF1K332M20	80	3300	2000	0.101	3.41	25 x 45	2
CEAWF1K332M30	80	3300	2000	0.101	3.35	30 x 35	2
CEAWF1K332M40	80	3300	2000	0.101	3.28	35 x 30	2
CEAWF1K332M50	80	3300	2000	0.101	3.20	40 x 25	2
CEAWF1K392M20	80	3900	2000	0.0850	3.61	25 x 50	2
CEAWF1K392M30	80	3900	2000	0.0850	3.55	30 x 40	2
CEAWF1K392M40	80	3900	2000	0.0850	3.48	35 x 30	2
CEAWF1K392M50	80	3900	2000	0.0850	3.40	40 x 25	2
CEAWF1K472M30	80	4700	2000	0.0705	3.80	30 x 45	2
CEAWF1K472M40	80	4700	2000	0.0705	3.73	35 x 35	2
CEAWF1K472M50	80	4700	2000	0.0705	3.65	40 x 30	4
CEAWF1K562M30	80	5600	2000	0.0592	4.42	30 x 50	2
CEAWF1K562M40	80	5600	2000	0.0592	4.35	35 x 40	4
CEAWF1K562M41	80	5600	2000	0.0592	4.35	35 x 40	2
CEAWF1K562M50	80	5600	2000	0.0592	4.27	40 x 35	4
CEAWF1K682M40	80	6800	2000	0.0488	4.80	35 x 45	4
CEAWF1K682M41	80	6800	2000	0.0488	4.80	35 x 45	2
CEAWF1K682M50	80	6800	2000	0.0488	4.72	40 x 35	4
CEAWF1K822M40	80	8200	2000	0.0505	5.35	35 x 50	4
CEAWF1K822M41	80	8200	2000	0.0505	5.35	35 x 50	2
CEAWF1K822M50	80	8200	2000	0.0505	5.27	40 x 40	4
CEAWF2A681M10	100	680	1360	0.366	1.85	22 x 25	2
CEAWF2A821M10	100	820	1640	0.303	1.99	22 x 30	2
CEAWF2A821M20	100	820	1640	0.303	1.94	25 x 25	2
CEAWF2A102M10	100	1000	2000	0.249	2.08	22 x 35	2
CEAWF2A102M20	100	1000	2000	0.249	2.03	25 x 25	2
CEAWF2A122M10	100	1200	2000	0.207	2.43	22 x 35	2
CEAWF2A122M20	100	1200	2000	0.207	2.38	25 x 30	2
CEAWF2A122M30	100	1200	2000	0.207	2.32	30 x 25	2
CEAWF2A152M10	100	1500	2000	0.166	2.85	22 x 40	2
CEAWF2A152M20	100	1500	2000	0.166	2.76	25 x 35	2
CEAWF2A152M30	100	1500	2000	0.166	2.70	30 x 25	2
CEAWF2A182M10	100	1800	2000	0.138	3.10	22 x 50	2
CEAWF2A182M20	100	1800	2000	0.138	3.05	25 x 40	2
CEAWF2A182M30	100	1800	2000	0.138	2.99	30 x 30	2
CEAWF2A182M40	100	1800	2000	0.138	2.92	35 x 25	2
CEAWF2A222M20	100	2200	2000	0.113	3.41	25 x 45	2
CEAWF2A222M30	100	2200	2000	0.113	3.35	30 x 35	2
CEAWF2A222M40	100	2200	2000	0.113	3.28	35 x 30	2
CEAWF2A222M50	100	2200	2000	0.113	3.20	40 x 25	2
CEAWF2A272M20	100	2700	2000	0.123	3.51	25 x 50	2
CEAWF2A272M30	100	2700	2000	0.123	3.45	30 x 40	2
CEAWF2A272M40	100	2700	2000	0.123	3.48	35 x 30	2
CEAWF2A272M50	100	2700	2000	0.123	3.41	40 x 25	2
CEAWF2A332M30	100	3300	2000	0.101	3.65	30 x 45	2
CEAWF2A332M40	100	3300	2000	0.101	3.58	35 x 35	2
CEAWF2A332M50	100	3300	2000	0.101	3.50	40 x 30	4
CEAWF2A392M30	100	3900	2000	0.0850	3.85	30 x 50	2
CEAWF2A392M40	100	3900	2000	0.0850	3.78	35 x 40	4
CEAWF2A392M41	100	3900	2000	0.0850	3.78	35 x 40	2
CEAWF2A392M50	100	3900	2000	0.0850	3.70	40 x 30	4
CEAWF2A472M40	100	4700	2000	0.0705	4.30	35 x 45	4
CEAWF2A472M41	100	4700	2000	0.0705	4.30	35 x 45	2
CEAWF2A472M50	100	4700	2000	0.0705	4.22	40 x 35	4
CEAWF2A562M40	100	5600	2000	0.0592	5.10	35 x 50	4
CEAWF2A562M41	100	5600	2000	0.0592	5.10	35 x 50	2
CEAWF2A562M50	100	5600	2000	0.0592	5.02	40 x 40	4

Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF2C331M10	160	330	1050	0.502	1.20	22 x 25	2
CEAWF2C391M10	160	390	1240	0.425	1.42	22 x 30	2
CEAWF2C391M20	160	390	1240	0.425	1.40	25 x 25	2
CEAWF2C471M10	160	470	1500	0.353	1.54	22 x 30	2
CEAWF2C471M20	160	470	1500	0.353	1.52	25 x 25	2
CEAWF2C561M10	160	560	1790	0.296	1.80	22 x 35	2
CEAWF2C561M20	160	560	1790	0.296	1.80	25 x 30	2
CEAWF2C561M30	160	560	1790	0.296	1.80	30 x 25	2
CEAWF2C681M10	160	680	2000	0.244	2.11	22 x 40	2
CEAWF2C681M20	160	680	2000	0.244	2.12	25 x 35	2
CEAWF2C681M30	160	680	2000	0.244	2.18	30 x 30	2
CEAWF2C681M40	160	680	2000	0.244	2.16	35 x 25	2
CEAWF2C821M10	160	820	2000	0.202	2.56	22 x 50	2
CEAWF2C821M20	160	820	2000	0.202	2.46	25 x 40	2
CEAWF2C821M30	160	820	2000	0.202	2.35	30 x 30	2
CEAWF2C821M40	160	820	2000	0.202	2.30	35 x 25	2
CEAWF2C102M20	160	1000	2000	0.166	2.86	25 x 45	2
CEAWF2C102M30	160	1000	2000	0.166	2.77	30 x 35	2
CEAWF2C102M40	160	1000	2000	0.166	2.77	35 x 30	2
CEAWF2C102M50	160	1000	2000	0.166	2.65	40 x 25	2
CEAWF2C122M20	160	1200	2000	0.138	3.27	25 x 50	2
CEAWF2C122M30	160	1200	2000	0.138	3.21	30 x 40	2
CEAWF2C122M40	160	1200	2000	0.138	3.24	35 x 35	2
CEAWF2C122M50	160	1200	2000	0.138	3.18	40 x 30	4
CEAWF2C152M30	160	1500	2000	0.111	3.74	30 x 45	2
CEAWF2C152M40	160	1500	2000	0.111	3.48	35 x 35	2
CEAWF2C152M50	160	1500	2000	0.111	3.35	40 x 30	4
CEAWF2C182M30	160	1800	2000	0.0921	4.26	30 x 50	2
CEAWF2C182M40	160	1800	2000	0.0921	4.02	35 x 40	4
CEAWF2C182M41	160	1800	2000	0.0921	4.02	35 x 40	2
CEAWF2C182M50	160	1800	2000	0.0921	3.94	40 x 35	4
CEAWF2C222M40	160	2200	2000	0.0754	4.97	35 x 50	4
CEAWF2C222M41	160	2200	2000	0.0754	4.97	35 x 50	2
CEAWF2C222M50	160	2200	2000	0.0754	4.57	40 x 40	4
CEAWF2S271M10	180	270	970	0.614	1.18	22 x 25	2
CEAWF2S331M10	180	330	1180	0.502	1.41	22 x 30	2
CEAWF2S331M20	180	330	1180	0.502	1.40	25 x 25	2
CEAWF2S391M10	180	390	1400	0.425	1.55	22 x 35	2
CEAWF2S391M20	180	390	1400	0.425	1.50	25 x 25	2
CEAWF2S471M10	180	470	1690	0.353	1.79	22 x 35	2
CEAWF2S471M20	180	470	1690	0.353	1.79	25 x 30	2
CEAWF2S471M30	180	470	1690	0.353	1.82	30 x 25	2
CEAWF2S561M10	180	560	2000	0.296	2.07	22 x 40	2
CEAWF2S561M20	180	560	2000	0.296	2.09	25 x 35	2
CEAWF2S561M30	180	560	2000	0.296	1.94	30 x 25	2
CEAWF2S681M10	180	680	2000	0.244	2.44	22 x 50	2
CEAWF2S681M20	180	680	2000	0.244	2.39	25 x 40	2
CEAWF2S681M30	180	680	2000	0.244	2.33	30 x 30	2
CEAWF2S681M40	180	680	2000	0.244	2.28	35 x 25	2
CEAWF2S821M20	180	820	2000	0.202	2.79	25 x 45	2
CEAWF2S821M30	180	820	2000	0.202	2.73	30 x 35	2
CEAWF2S821M40	180	820	2000	0.202	2.70	35 x 30	2
CEAWF2S821M50	180	820	2000	0.202	2.62	40 x 25	2
CEAWF2S102M20	180	1000	2000	0.166	3.24	25 x 50	2
CEAWF2S102M30	180	1000	2000	0.166	3.18	30 x 40	2
CEAWF2S102M40	180	1000	2000	0.166	3.22	35 x 35	2
CEAWF2S102M50	180	1000	2000	0.166	3.16	40 x 30	4
CEAWF2S122M30	180	1200	2000	0.138	3.46	30 x 45	2
CEAWF2S122M40	180	1200	2000	0.138	3.39	35 x 35	2
CEAWF2S122M50	180	1200	2000	0.138	3.31	40 x 30	4

Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF2S152M30	180	1500	2000	0.111	4.07	30 x 50	2
CEAWF2S152M40	180	1500	2000	0.111	4.00	35 x 40	4
CEAWF2S152M41	180	1500	2000	0.111	4.00	35 x 40	2
CEAWF2S152M50	180	1500	2000	0.111	3.92	40 x 35	4
CEAWF2S182M40	180	1800	2000	0.0921	4.28	35 x 45	4
CEAWF2S182M41	180	1800	2000	0.0921	4.28	35 x 45	2
CEAWF2S182M50	180	1800	2000	0.0921	4.20	40 x 40	4
CEAWF2D221M10	200	220	880	0.754	1.14	22 x 25	2
CEAWF2D271M10	200	270	1080	0.614	1.30	22 x 30	2
CEAWF2D271M20	200	270	1080	0.614	1.25	25 x 25	2
CEAWF2D331M10	200	330	1320	0.502	1.48	22 x 30	2
CEAWF2D331M20	200	330	1320	0.502	1.48	25 x 25	2
CEAWF2D391M10	200	390	1560	0.425	1.75	22 x 35	2
CEAWF2D391M20	200	390	1560	0.425	1.75	25 x 30	2
CEAWF2D391M30	200	390	1560	0.425	1.75	30 x 25	2
CEAWF2D471M10	200	470	1880	0.353	2.02	22 x 40	2
CEAWF2D471M20	200	470	1880	0.353	1.97	25 x 35	2
CEAWF2D471M30	200	470	1880	0.353	1.91	30 x 25	2
CEAWF2D561M10	200	560	2000	0.296	2.27	22 x 45	2
CEAWF2D561M20	200	560	2000	0.296	2.22	25 x 35	2
CEAWF2D561M30	200	560	2000	0.296	2.19	30 x 30	2
CEAWF2D561M40	200	560	2000	0.296	2.12	35 x 25	2
CEAWF2D681M20	200	680	2000	0.244	2.43	25 x 40	2
CEAWF2D681M30	200	680	2000	0.244	2.37	30 x 30	2
CEAWF2D681M40	200	680	2000	0.244	2.30	35 x 25	2
CEAWF2D821M20	200	820	2000	0.202	2.91	25 x 50	2
CEAWF2D821M30	200	820	2000	0.202	2.85	30 x 40	2
CEAWF2D821M40	200	820	2000	0.202	2.78	35 x 30	2
CEAWF2D821M50	200	820	2000	0.202	2.70	40 x 25	2
CEAWF2D102M30	200	1000	2000	0.166	3.42	30 x 45	2
CEAWF2D102M40	200	1000	2000	0.166	3.35	35 x 35	2
CEAWF2D102M50	200	1000	2000	0.166	3.27	40 x 30	4
CEAWF2D122M30	200	1200	2000	0.138	3.54	30 x 50	2
CEAWF2D122M40	200	1200	2000	0.138	3.47	35 x 40	4
CEAWF2D122M41	200	1200	2000	0.138	3.47	35 x 40	2
CEAWF2D122M50	200	1200	2000	0.138	3.39	40 x 30	4
CEAWF2D152M40	200	1500	2000	0.111	4.10	35 x 45	4
CEAWF2D152M41	200	1500	2000	0.111	4.10	35 x 45	2
CEAWF2D152M50	200	1500	2000	0.111	4.02	40 x 35	4
CEAWF2D182M40	200	1800	2000	0.0921	4.38	35 x 50	4
CEAWF2D182M41	200	1800	2000	0.0921	4.38	35 x 50	2
CEAWF2D182M50	200	1800	2000	0.0921	4.31	40 x 40	4
CEAWF2D222M40	200	2200	2000	0.0754	4.70	35 x 60	4
CEAWF2D222M41	200	2200	2000	0.0754	4.70	35 x 60	2
CEAWF2D222M50	200	2200	2000	0.0754	4.70	40 x 50	4
CEAWF2E181M10	250	180	900	0.921	0.95	22 x 25	2
CEAWF2E221M10	250	220	1100	0.754	1.20	22 x 30	2
CEAWF2E221M20	250	220	1100	0.754	1.15	25 x 25	2
CEAWF2E271M10	250	270	1350	0.614	1.36	22 x 35	2
CEAWF2E271M20	250	270	1350	0.614	1.31	25 x 30	2
CEAWF2E271M30	250	270	1350	0.614	1.25	30 x 25	2
CEAWF2E331M10	250	330	1650	0.502	1.72	22 x 40	2
CEAWF2E331M20	250	330	1650	0.502	1.67	25 x 30	2
CEAWF2E331M30	250	330	1650	0.502	1.61	30 x 25	2
CEAWF2E391M10	250	390	1950	0.425	1.91	22 x 45	2
CEAWF2E391M20	250	390	1950	0.425	1.86	25 x 35	2
CEAWF2E391M30	250	390	1950	0.425	1.80	30 x 30	2
CEAWF2E391M40	250	390	1950	0.425	1.73	35 x 25	2
CEAWF2E471M10	250	470	2000	0.353	2.08	22 x 50	2



Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF2E471M20	250	470	2000	0.353	2.03	25 x 40	2
CEAWF2E471M30	250	470	2000	0.353	1.97	30 x 30	2
CEAWF2E471M40	250	470	2000	0.353	1.90	35 x 25	2
CEAWF2E561M20	250	560	2000	0.296	2.36	25 x 45	2
CEAWF2E561M30	250	560	2000	0.296	2.30	30 x 35	2
CEAWF2E561M40	250	560	2000	0.296	2.23	35 x 30	2
CEAWF2E561M50	250	560	2000	0.296	2.15	40 x 25	2
CEAWF2E681M20	250	680	2000	0.244	2.61	25 x 50	2
CEAWF2E681M30	250	680	2000	0.244	2.55	30 x 40	2
CEAWF2E681M40	250	680	2000	0.244	2.48	35 x 30	2
CEAWF2E681M50	250	680	2000	0.244	2.40	40 x 30	4
CEAWF2E821M30	250	820	2000	0.202	2.90	30 x 45	2
CEAWF2E821M40	250	820	2000	0.202	2.83	35 x 35	2
CEAWF2E821M50	250	820	2000	0.202	2.75	40 x 30	4
CEAWF2E102M30	250	1000	2000	0.166	3.65	30 x 50	2
CEAWF2E102M40	250	1000	2000	0.166	3.58	35 x 40	4
CEAWF2E102M41	250	1000	2000	0.166	3.58	35 x 40	2
CEAWF2E102M50	250	1000	2000	0.166	3.50	40 x 35	4
CEAWF2E122M40	250	1200	2000	0.138	3.68	35 x 50	4
CEAWF2E122M41	250	1200	2000	0.138	3.68	35 x 50	2
CEAWF2E122M50	250	1200	2000	0.138	3.60	40 x 40	4
CEAWF2E152M40	250	1500	2000	0.111	4.20	35 x 60	4
CEAWF2E152M41	250	1500	2000	0.111	4.20	35 x 60	2
CEAWF2E152M50	250	1500	2000	0.111	4.20	40 x 50	4
CEAWF2E182M40	250	1800	2000	0.0921	4.50	35 x 70	4
CEAWF2E182M41	250	1800	2000	0.0921	4.50	35 x 70	2
CEAWF2E182M50	250	1800	2000	0.0921	4.50	40 x 60	4
CEAWF2E222M40	250	2200	2000	0.0754	5.00	35 x 70	4
CEAWF2E222M41	250	2200	2000	0.0754	5.00	35 x 70	2
CEAWF2E222M50	250	2200	2000	0.0754	5.00	40 x 60	4
CEAWF2F101M10	315	100	630	3.32	0.62	22 x 25	2
CEAWF2F121M10	315	120	750	2.76	0.74	22 x 30	2
CEAWF2F121M20	315	120	750	2.76	0.74	25 x 25	2
CEAWF2F151M10	315	150	940	2.21	0.88	22 x 35	2
CEAWF2F151M20	315	150	940	2.21	0.82	25 x 25	2
CEAWF2F181M10	315	180	1130	1.84	0.96	22 x 35	2
CEAWF2F181M20	315	180	1130	1.84	0.97	25 x 30	2
CEAWF2F181M30	315	180	1130	1.84	1.00	30 x 25	2
CEAWF2F221M10	315	220	1380	1.51	1.13	22 x 40	2
CEAWF2F221M20	315	220	1380	1.51	1.14	25 x 35	2
CEAWF2F221M30	315	220	1380	1.51	1.10	30 x 25	2
CEAWF2F271M10	315	270	1700	1.23	1.38	22 x 50	2
CEAWF2F271M20	315	270	1700	1.23	1.34	25 x 40	2
CEAWF2F271M30	315	270	1700	1.23	1.31	30 x 30	2
CEAWF2F271M40	315	270	1700	1.23	1.33	35 x 25	2
CEAWF2F331M20	315	330	2000	1.00	1.56	25 x 45	2
CEAWF2F331M30	315	330	2000	1.00	1.55	30 x 35	2
CEAWF2F331M40	315	330	2000	1.00	1.59	35 x 30	2
CEAWF2F331M50	315	330	2000	1.00	1.59	40 x 25	2
CEAWF2F391M20	315	390	2000	0.850	1.78	25 x 50	2
CEAWF2F391M30	315	390	2000	0.850	1.78	30 x 40	2
CEAWF2F391M40	315	390	2000	0.850	1.83	35 x 35	2
CEAWF2F391M50	315	390	2000	0.850	1.71	40 x 25	2
CEAWF2F471M30	315	470	2000	0.706	2.05	30 x 45	2
CEAWF2F471M40	315	470	2000	0.706	2.00	35 x 35	2
CEAWF2F471M50	315	470	2000	0.706	2.00	40 x 30	4
CEAWF2F561M30	315	560	2000	0.592	2.34	30 x 50	2
CEAWF2F561M40	315	560	2000	0.592	2.30	35 x 40	4
CEAWF2F561M41	315	560	2000	0.592	2.30	35 x 40	2
CEAWF2F561M50	315	560	2000	0.592	2.30	40 x 35	4

Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max. Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF2F681M40	315	680	2000	0.488	2.62	35 x 45	4
CEAWF2F681M41	315	680	2000	0.488	2.62	35 x 45	2
CEAWF2F681M50	315	680	2000	0.488	2.54	40 x 35	4
CEAWF2F821M40	315	820	2000	0.404	3.02	35 x 50	4
CEAWF2F821M41	315	820	2000	0.404	3.02	35 x 50	2
CEAWF2F821M50	315	820	2000	0.404	2.94	40 x 40	4
CEAWF2V820M10	350	82	570	4.04	0.61	22 x 25	2
CEAWF2V101M10	350	100	700	3.32	0.65	22 x 30	2
CEAWF2V101M20	350	100	700	3.32	0.63	25 x 25	2
CEAWF2V121M10	350	120	840	2.76	0.76	22 x 30	2
CEAWF2V121M20	350	120	840	2.76	0.76	25 x 25	2
CEAWF2V151M10	350	150	1050	2.21	0.96	22 x 35	2
CEAWF2V151M20	350	150	1050	2.21	0.97	25 x 30	2
CEAWF2V151M30	350	150	1050	2.21	1.00	30 x 25	2
CEAWF2V181M10	350	180	1260	1.84	1.11	22 x 40	2
CEAWF2V181M20	350	180	1260	1.84	1.13	25 x 35	2
CEAWF2V181M30	350	180	1260	1.84	1.09	30 x 25	2
CEAWF2V221M10	350	220	1540	1.51	1.30	22 x 45	2
CEAWF2V221M20	350	220	1540	1.51	1.32	25 x 40	2
CEAWF2V221M30	350	220	1540	1.51	1.29	30 x 30	2
CEAWF2V221M40	350	220	1540	1.51	1.32	35 x 25	2
CEAWF2V271M20	350	270	1890	1.23	1.54	25 x 45	2
CEAWF2V271M30	350	270	1890	1.23	1.53	30 x 35	2
CEAWF2V271M40	350	270	1890	1.23	1.57	35 x 30	2
CEAWF2V271M50	350	270	1890	1.23	1.57	40 x 25	2
CEAWF2V331M20	350	330	2000	1.00	1.73	25 x 50	2
CEAWF2V331M30	350	330	2000	1.00	1.72	30 x 40	2
CEAWF2V331M40	350	330	2000	1.00	1.72	35 x 30	2
CEAWF2V331M50	350	330	2000	1.00	1.71	40 x 25	2
CEAWF2V391M30	350	390	2000	0.850	2.04	30 x 45	2
CEAWF2V391M40	350	390	2000	0.850	1.99	35 x 35	2
CEAWF2V391M50	350	390	2000	0.850	2.01	40 x 30	4
CEAWF2V471M30	350	470	2000	0.706	2.34	30 x 50	2
CEAWF2V471M40	350	470	2000	0.706	2.30	35 x 40	4
CEAWF2V471M41	350	470	2000	0.706	2.30	35 x 40	2
CEAWF2V471M50	350	470	2000	0.706	2.30	40 x 35	4
CEAWF2V561M40	350	560	2000	0.592	2.60	35 x 45	4
CEAWF2V561M41	350	560	2000	0.592	2.60	35 x 45	2
CEAWF2V561M50	350	560	2000	0.592	2.52	40 x 35	4
CEAWF2V681M40	350	680	2000	0.488	3.01	35 x 50	4
CEAWF2V681M41	350	680	2000	0.488	3.01	35 x 50	2
CEAWF2V681M50	350	680	2000	0.488	2.93	40 x 40	4
CEAWF2G470M10	400	47	370	7.05	0.43	22 x 25	2
CEAWF2G560M10	400	56	440	5.92	0.47	22 x 25	2
CEAWF2G680M10	400	68	540	4.88	0.52	22 x 25	2
CEAWF2G820M10	400	82	650	4.04	0.61	22 x 30	2
CEAWF2G820M20	400	82	650	4.04	0.61	25 x 25	2
CEAWF2G101M10	400	100	800	3.32	0.68	22 x 30	2
CEAWF2G101M20	400	100	800	3.32	0.68	25 x 25	2
CEAWF2G121M10	400	120	960	2.76	0.79	22 x 35	2
CEAWF2G121M20	400	120	960	2.76	0.80	25 x 30	2
CEAWF2G121M30	400	120	960	2.76	0.83	30 x 25	2
CEAWF2G151M10	400	150	1200	2.21	0.94	22 x 40	2
CEAWF2G151M20	400	150	1200	2.21	0.89	25 x 30	2
CEAWF2G151M30	400	150	1200	2.21	0.92	30 x 25	2
CEAWF2G181M10	400	180	1440	1.84	1.08	22 x 45	2
CEAWF2G181M20	400	180	1440	1.84	1.04	25 x 35	2
CEAWF2G181M30	400	180	1440	1.84	1.09	30 x 30	2
CEAWF2G181M40	400	180	1440	1.84	1.11	35 x 25	2

Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF2G221M10	400	220	1760	1.51	1.26	22 x 50	2
CEAWF2G221M20	400	220	1760	1.51	1.22	25 x 40	2
CEAWF2G221M30	400	220	1760	1.51	1.28	30 x 35	2
CEAWF2G221M40	400	220	1760	1.51	1.21	35 x 25	2
CEAWF2G271M20	400	270	2000	1.23	1.42	25 x 45	2
CEAWF2G271M30	400	270	2000	1.23	1.50	30 x 40	2
CEAWF2G271M40	400	270	2000	1.23	1.45	35 x 30	2
CEAWF2G271M50	400	270	2000	1.23	1.45	40 x 25	2
CEAWF2G331M30	400	330	2000	1.00	1.74	30 x 45	2
CEAWF2G331M40	400	330	2000	1.00	1.70	35 x 35	2
CEAWF2G331M50	400	330	2000	1.00	1.72	40 x 30	4
CEAWF2G391M30	400	390	2000	0.850	1.98	30 x 50	2
CEAWF2G391M40	400	390	2000	0.850	1.95	35 x 40	4
CEAWF2G391M41	400	390	2000	0.850	1.95	35 x 40	2
CEAWF2G391M50	400	390	2000	0.850	1.99	40 x 35	4
CEAWF2G471M40	400	470	2000	0.706	2.23	35 x 45	4
CEAWF2G471M41	400	470	2000	0.706	2.23	35 x 45	2
CEAWF2G471M50	400	470	2000	0.706	2.16	40 x 35	4
CEAWF2G561M40	400	560	2000	0.592	2.53	35 x 50	4
CEAWF2G561M41	400	560	2000	0.592	2.53	35 x 50	2
CEAWF2G561M50	400	560	2000	0.592	2.49	40 x 40	4
CEAWF2G681M40	400	680	2000	0.488	2.82	35 x 60	4
CEAWF2G681M41	400	680	2000	0.488	2.82	35 x 60	2
CEAWF2G681M50	400	680	2000	0.488	2.82	40 x 45	4
CEAWF2G821M40	400	820	2000	0.404	3.24	35 x 70	4
CEAWF2G821M41	400	820	2000	0.404	3.24	35 x 70	2
CEAWF2G821M50	400	820	2000	0.404	3.24	40 x 60	4
CEAWF2G102M40	400	1000	2000	0.332	3.72	35 x 80	4
CEAWF2G102M41	400	1000	2000	0.332	3.72	35 x 80	2
CEAWF2G102M50	400	1000	2000	0.332	3.72	40 x 70	4
CEAWF2W470M10	450	47	420	7.05	0.46	22 x 25	2
CEAWF2W560M10	450	56	500	5.92	0.50	22 x 25	2
CEAWF2W680M10	450	68	610	4.88	0.60	22 x 30	2
CEAWF2W680M20	450	68	610	4.88	0.60	25 x 25	2
CEAWF2W820M10	450	82	730	4.04	0.65	22 x 30	2
CEAWF2W820M20	450	82	730	4.04	0.65	25 x 25	2
CEAWF2W101M10	450	100	900	3.32	0.77	22 x 35	2
CEAWF2W101M20	450	100	900	3.32	0.72	25 x 25	2
CEAWF2W121M10	450	120	1080	2.76	0.90	22 x 40	2
CEAWF2W121M20	450	120	1080	2.76	0.91	25 x 35	2
CEAWF2W121M30	450	120	1080	2.76	0.88	30 x 25	2
CEAWF2W151M10	450	150	1350	2.21	1.11	22 x 50	2
CEAWF2W151M20	450	150	1350	2.21	1.08	25 x 40	2
CEAWF2W151M30	450	150	1350	2.21	1.06	30 x 30	2
CEAWF2W151M40	450	150	1350	2.21	1.08	35 x 25	2
CEAWF2W181M20	450	180	1650	1.84	1.24	25 x 45	2
CEAWF2W181M30	450	180	1650	1.84	1.23	30 x 35	2
CEAWF2W181M40	450	180	1650	1.84	1.17	35 x 25	2
CEAWF2W221M20	450	220	1980	1.51	1.44	25 x 50	2
CEAWF2W221M30	450	220	1980	1.51	1.44	30 x 40	2
CEAWF2W221M40	450	220	1980	1.51	1.39	35 x 30	2
CEAWF2W221M50	450	220	1980	1.51	1.40	40 x 25	2
CEAWF2W271M30	450	270	2000	1.23	1.68	30 x 45	2
CEAWF2W271M40	450	270	2000	1.23	1.64	35 x 35	2
CEAWF2W271M50	450	270	2000	1.23	1.66	40 x 30	4
CEAWF2W331M30	450	330	2000	1.00	1.94	30 x 50	2

Part No.	Rated Voltage (VDC)	Capacitance (μF)	Max. Leakage Current (μA)	Max. E.S.R (Ω) @ 120Hz, 20°C	Max Ripple Current (A) @ 120Hz, 85°C	Nominal Case Size	Number of Terminals
						D x L (mm)	
CEAWF2W331M40	450	330	2000	1.00	1.92	35 x 40	4
CEAWF2W331M41	450	330	2000	1.00	1.92	35 x 40	2
CEAWF2W331M50	450	330	2000	1.00	1.95	40 x 35	4
CEAWF2W391M40	450	390	2000	0.850	2.19	35 x 45	4
CEAWF2W391M41	450	390	2000	0.850	2.19	35 x 45	2
CEAWF2W391M50	450	390	2000	0.850	2.11	40 x 35	4
CEAWF2W471M40	450	470	2000	0.706	2.50	35 x 50	4
CEAWF2W471M41	450	470	2000	0.706	2.50	35 x 50	2
CEAWF2W471M50	450	470	2000	0.706	2.44	40 x 40	4
CEAWF2W561M40	450	560	2000	0.592	2.70	35 x 60	4
CEAWF2W561M41	450	560	2000	0.592	2.70	35 x 60	2
CEAWF2W561M50	450	560	2000	0.592	2.70	40 x 45	4
CEAWF2W681M40	450	680	2000	0.488	3.16	35 x 70	4
CEAWF2W681M41	450	680	2000	0.488	3.16	35 x 70	2
CEAWF2W681M50	450	680	2000	0.488	3.16	40 x 60	4
CEAWF2W821M40	450	820	2000	0.404	3.60	35 x 80	4
CEAWF2W821M41	450	820	2000	0.404	3.60	35 x 80	2
CEAWF2W821M50	450	820	2000	0.404	3.60	40 x 60	4
CEAWF2W102M50	450	1000	2000	0.332	4.12	40 x 70	4

Note: 2 pin type is available with 35 diameter. However, 4 pin type is recommended in the application where vibration or mechanical shock is present.

**MAX. RIPPLE CURRENT** (See standard rating table)

- Temperature factor

Temperature (°C)	45	60	85
Factor	1.50	1.23	1.00

- Frequency factor

Frequency (Hz)	50	120	1K	10K	100K
10~100V	0.90	1	1.10	1.15	1.25
160~250V	0.80	1	1.25	1.40	1.50
315~450V	0.80	1	1.20	1.25	1.40