

**SUBJECT: EEU-FA Series Radial Leaded Aluminum Electrolytic Capacitor
will be Discontinued Effective per below.**

BULLETIN #: ECG.PG.44.00.0425

Date: April 24, 2000

LAST TIME BUY: October 31, 2000

LAST TIME SHIPMENT: December 31, 2000

**SUGGESTED REPLACEMENT: EEU-FC (FC series) Radial Leaded Aluminum
Electrolytic Capacitor**

The EEU-FC (FC Series) radial leaded aluminum electrolytic capacitor is the recommended replacement for the FA series. Generally the FC series is a drop in replacement for the FA series but there maybe some exceptions in can size, lead spacing, footprint and electrical properties depending on the capacitance and voltage values required. Please contact the Resident Engineers for the exact replacement part number and any deviations.

Please notify your customers of the change.

FA series replacement program to FC series (last order : July/End/2000)

EEUFAxxxxx



EEUFCxxxxx

1998/10/20

The deviation of ripple current/impedance is not acceptable in smaller size, please select higher voltage or higher capacitance part,

shows deviation

1999/11/24 rev.A

FA series								FC series							
FA series	WV V	Cap. uF	Case Size Dmm Lmm	Pitch mm	Ripple mA	Imp. ohm		FC series	WV V	Cap. uF	Case Size Dmm Lmm	Pitch mm	Ripple mA	Imp. ohm	
EEUFA0J561	6.3	560	8 11.5	3.5	555	0.117		EEUFC0J561	6.3	560	8 11.5	3.5	555	0.117	
EEUFA0J821L	6.3	820	8 15	3.5	730	0.085		EEUFC0J821L	6.3	820	8 15	3.5	730	0.085	
EEUFA0J821	6.3	820	10 12.5	5.0	755	0.090		EEUFC0J821	6.3	820	10 12.5	5.0	755	0.090	
EEUFA0J102	6.3	1000	10 16	5.0	950	0.068		EEUFC0J102	6.3	1000	10 12.5	5.0	755	0.090	
								EEUFC1A102	10	1000	10 16	5.0	1050	0.068	
EEUFA0J122	6.3	1200	8 20	3.5	995	0.065		EEUFC0J122L	6.3	1200	8 20	3.5	995	0.065	
EEUFA0J152	6.3	1500	10 20	5.0	1220	0.052		EEUFC0J152	6.3	1500	10 20	5.0	1220	0.052	
EEUFA0J152S	6.3	1500	12.5 15	5.0	1205	0.060		EEUFC0J152S	6.3	1500	12.5 15	5.0	1205	0.065	
EEUFA0J182	6.3	1800	10 25	5.0	1440	0.045		EEUFC0J182	6.3	1800	10 25	5.0	1440	0.045	
EEUFA0J272L	6.3	2700	10 30	5.0	1815	0.035		EEUFC0J272L	6.3	2700	10 30	5.0	1815	0.035	
EEUFA0J272	6.3	2700	12.5 20	5.0	1655	0.038		EEUFC0J272	6.3	2700	12.5 20	5.0	1655	0.038	
EEUFA0J272S	6.3	2700	16 15	7.5	1690	0.038		EEUFC0J272S	6.3	2700	16 15	7.5	1690	0.043	
EEUFA0J332	6.3	3300	18 15	7.5	2000	0.032		EEUFC0J332S	6.3	3300	18 15	7.5	2000	0.038	
EEUFA0J392	6.3	3900	12.5 25	5.0	1945	0.034		EEUFC0J392	6.3	3900	12.5 25	5.0	1945	0.030	
EEUFA0J472L	6.3	4700	12.5 30	5.0	2310	0.025		EEUFC0J472	6.3	4700	12.5 30	5.0	2310	0.025	
EEUFA0J472	6.3	4700	16 20	7.5	2205	0.025		EEUFC0J472S	6.3	4700	16 20	7.5	2205	0.029	
EEUFA0J562L	6.3	5600	12.5 35	5.0	2510	0.022		EEUFC0J562L	6.3	5600	12.5 35	5.0	2510	0.022	
EEUFA0J562	6.3	5600	16 25	7.5	2555	0.022		EEUFC0J562	6.3	5600	16 20	7.5	2205	0.029	
								EEUFC1A562	10	5600	16 25	7.5	2555	0.022	
EEUFA0J562S	6.3	5600	18 20	7.5	2490	0.022		EEUFC0J562	6.3	5600	16 20	7.5	2205	0.029	
								EEUFC1A562S	10	5600	18 20	7.5	2490	0.028	
EEUFA0J682L	6.3	6800	12.5 40	5.0	2655	0.018		EEUFC0J682L	6.3	6800	12.5 40	5.0	2655	0.018	
EEUFA0J682	6.3	6800	16 31.5	7.5	3010	0.018		EEUFC0J682	6.3	6800	16 25	7.5	2555	0.022	
								EEUFC1A682	10	6800	16 31.5	7.5	3010	0.018	
EEUFA0J682S	6.3	6800	18 25	7.5	2740	0.019		EEUFC0J682S	6.3	6800	18 20	7.5	2490	0.028	
								EEUFC1A682S	10	6800	18 25	7.5	3635	0.016	
EEUFA0J822	6.3	8200	16 35.5	7.5	3150	0.016		EEUFC0J822	6.3	8200	16 31.5	7.5	3010	0.018	
								EEUFC1A822	10	8200	16 35.5	7.5	3150	0.016	
EEUFA0J103L	6.3	10000	16 40	7.5	3360	0.015		EEUFC0J103	6.3	10000	16 35.5	7.5	3150	0.016	
EEUFA0J103	6.3	10000	18 31.5	7.5	3635	0.016		EEUFC0J103S	6.3	10000	18 25	7.5	2740	0.020	
EEUFA0J123	6.3	12000	18 35.5	7.5	3680	0.015		EEUFC0J123	6.3	12000	18 31.5	7.5	3635	0.016	
EEUFA0J153	6.3	15000	18 40	7.5	3735	0.014		EEUFC0J153	6.3	15000	18 35.5	7.5	3680	0.015	
EEUFA1A391	10	390	8 11.5	3.5	555	0.117		EEUFC1A391	10	390	8 11.5	3.5	555	0.117	
EEUFA1A681L	10	680	8 15	3.5	730	0.085		EEUFC1A681L	10	680	8 15	3.5	730	0.085	
EEUFA1A681	10	680	10 12.5	5.0	755	0.090		EEUFC1A681	10	680	10 12.5	5.0	755	0.090	
EEUFA1A821	10	820	10 16	5.0	950	0.068		EEUFC1A821	10	820	10 16	5.0	1050	0.068	
EEUFA1A102	10	1000	8 20	3.5	995	0.065		EEUFC1A102L	10	1000	8 20	3.5	995	0.065	
EEUFA1A122	10	1200	10 20	5.0	1220	0.052		EEUFC1A122	10	1200	10 20	5.0	1220	0.052	
EEUFA1A122S	10	1200	12.5 15	5.0	1205	0.060		EEUFC1A122S	10	1200	12.5 15	5.0	1205	0.065	
EEUFA1A152	10	1500	10 25	5.0	1440	0.045		EEUFC1A152	10	1500	10 25	5.0	1440	0.045	
EEUFA1A182	10	1800	12.5 20	5.0	1655	0.038		EEUFC1A182	10	1800	12.5 20	5.0	1655	0.038	
EEUFA1A182S	10	1800	16 15	7.5	1690	0.038		EEUFC1A182S	10	1800	16 15	7.5	1690	0.043	
EEUFA1A222	10	2200	10 30	5.0	1815	0.035		EEUFC1A222L	10	2200	10 30	5.0	1815	0.035	
EEUFA1A272	10	2700	12.5 25	5.0	1945	0.034		EEUFC1A272	10	2700	12.5 25	5.0	1945	0.030	
EEUFA1A272S	10	2700	18 15	7.5	2000	0.032		EEUFC1A272S	10	2700	18 15	7.5	2000	0.038	
EEUFA1A332L	10	3300	12.5 30	5.0	2310	0.025		EEUFC1A332	10	3300	12.5 30	5.0	2310	0.025	
EEUFA1A332	10	3300	16 20	7.5	2205	0.025		EEUFC1A332S	10	3300	16 20	7.5	2205	0.029	
EEUFA1A392	10	3900	12.5 35	5.0	2510	0.022		EEUFC1A392L	10	3900	12.5 35	5.0	2510	0.022	
EEUFA1A472L	10	4700	12.5 40	5.0	2655	0.018		EEUFC1A472L	10	4700	12.5 40	5.0	2655	0.018	
EEUFA1A472	10	4700	16 25	7.5	2555	0.022		EEUFC1A472	10	4700	16 25	7.5	2555	0.022	
EEUFA1A472S	10	4700	18 20	7.5	2490	0.022		EEUFC1A472	10	4700	16 25	7.5	2555	0.022	
EEUFA1A562	10	5600	16 31.5	7.5	3010	0.018		EEUFC1A562	10	5600	16 25	7.5	2555	0.022	
EEUFA1A562S	10	5600	18 25	7.5	2740	0.019		EEUFC1A562S	10	5600	18 20	7.5	2490	0.028	
EEUFA1A682	10	6800	16 35.5	7.5	3150	0.016		EEUFC1A682	10	6800	16 31.5	7.5	3010	0.018	
EEUFA1A822L	10	8200	16 40	7.5	3360	0.015		EEUFC1A822L	10	8200	16 35.5	7.5	3150	0.016	
EEUFA1A822	10	8200	18 31.5	7.5	3635	0.016		EEUFC1A822	10	8200	18 31.5	7.5	3635	0.016	
EEUFA1A103	10	10000	18 35.5	7.5	3680	0.015		EEUFC1A103	10	10000	18 35.5	7.5	3680	0.015	
EEUFA1A123	10	12000	18 40	7.5	3735	0.014		EEUFC1A123	10	12000	18 40	7.5	3735	0.014	
EEUFA1C271	16	270	8 11.5	3.5	555	0.117		EEUFC1C271	16	270	8 11.5	3.5	555	0.117	
EEUFA1C471L	16	470	8 15	3.5	730	0.085		EEUFC1C471L	16	470	8 15	3.5	730	0.085	
EEUFA1C471	16	470	10 12.5	5.0	755	0.090		EEUFC1C471	16	470	10 12.5	5.0	755	0.090	
EEUFA1C561	16	560	10 16	5.0	950	0.068		EEUFC1C561	16	560	10 16	5.0	1050	0.068	
EEUFA1C681	16	680	8 20	3.5	995	0.065		EEUFC1C681L	16	680	8 20	3.5	995	0.065	
EEUFA1C821	16	820	10 20	5.0	1220	0.052		EEUFC1C821	16	820	10 20	5.0	1220	0.052	
EEUFA1C821S	16	820	12.5 15	5.0	1205	0.060		EEUFC1C821S	16	820	12.5 15	5.0	1205	0.065	
EEUFA1C102	16	1000	10 25	5.0	1440	0.045		EEUFC1C102	16	1000	10 25	5.0	1440	0.045	
EEUFA1C122	16	1200	12.5 20	5.0	1655	0.038		EEUFC1C122	16	1200	10 25	5.0	1440	0.045	
EEUFA1C122S	16	1200	16 15	7.5	1690	0.038		EEUFC1C122S	16	1200	16 15	7.5	1690	0.043	
EEUFA1C152	16	1500	10 30	5.0	1815	0.035		EEUFC1C152L	16	1500	10 30	5.0	1815	0.035	

FA series replacement program to FC series (last order : July/End/2000)

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1998/10/20

The deviation of ripple current/impedance is not acceptable in smaller size, please select higher voltage or higher capacitance part.

shows deviation

1999/11/24 rev.A

FA series								FC series							
FA series	WV V	Cap. uF	Case Size		Pitch mm	Ripple mA	Imp. ohm	FC series	WV V	Cap. uF	Case Size		Pitch mm	Ripple mA	Imp. ohm
			Dmm	Lmm							Dmm	Lmm			
EEUFA1C182	16	1800	12.5	25	5.0	1945	0.034	EEUFC1C182	16	1800	12.5	25	5.0	1945	0.030
EEUFA1C182S	16	1800	18	15	7.5	2000	0.032	EEUFC1C182S	16	1800	18	15	7.5	2000	0.038
EEUFA1C222L	16	2200	12.5	30	5.0	2310	0.025	EEUFC1C222	16	2200	12.5	25	5.0	1945	0.030
EEUFA1C222	16	2200	16	20	7.5	2205	0.025	EEUFC1C222S	16	2200	16	20	7.5	2205	0.029
EEUFA1C272	16	2700	12.5	35	5.0	2510	0.022	EEUFC1C272L	16	2700	12.5	30	5.0	2310	0.025
EEUFA1C332L	16	3300	12.5	40	5.0	2655	0.018	EEUFC1C332	16	3300	12.5	35	5.0	2510	0.022
EEUFA1C332	16	3300	16	25	7.5	2555	0.022	EEUFC1C332S	16	3300	18	20	7.5	2490	0.028
EEUFA1C332S	16	3300	18	20	7.5	2490	0.022	EEUFC1C332S	16	3300	18	20	7.5	2490	0.028
EEUFA1C392	16	3900	16	31.5	7.5	3010	0.018	EEUFC1C392	16	3900	16	25	7.5	2555	0.022
EEUFA1C392S	16	3900	18	25	7.5	2740	0.019	EEUFC1C392S	16	3900	18	20	7.5	2490	0.022
EEUFA1C472	16	4700	16	35.5	7.5	3150	0.016	EEUFC1C472	16	4700	16	31.5	7.5	3010	0.018
EEUFA1C562L	16	5600	16	40	7.5	3360	0.015	EEUFC1C562L	16	5600	16	35.5	7.5	3150	0.016
EEUFA1C562	16	5600	18	31.5	7.5	3635	0.016	EEUFC1C562	16	5600	18	31.5	7.5	3635	0.016
EEUFA1C682	16	6800	18	35.5	7.5	3680	0.015	EEUFC1C682	16	6800	16	40	7.5	3360	0.015
EEUFA1C822	16	8200	18	40	7.5	3735	0.014	EEUFC1C822	16	8200	18	35.5	7.5	3680	0.015
EEUFA1E181	25	180	8	11.5	3.5	555	0.117	EEUFC1E181	25	180	8	11.5	3.5	555	0.117
EEUFA1E331L	25	330	8	15	3.5	730	0.085	EEUFC1E331L	25	330	8	15	3.5	730	0.085
EEUFA1E331	25	330	10	12.5	5.0	755	0.090	EEUFC1E331	25	330	10	12.5	5.0	755	0.090
EEUFA1E391	25	390	10	16	5.0	950	0.068	EEUFC1E391	25	390	10	16	5.0	1050	0.068
EEUFA1E471	25	470	8	20	3.5	995	0.065	EEUFC1E471L	25	470	8	20	3.5	995	0.065
EEUFA1E561	25	560	10	20	5.0	1220	0.052	EEUFC1E561	25	560	10	20	5.0	1220	0.052
EEUFA1E561S	25	560	12.5	15	5.0	1205	0.060	EEUFC1E561S	25	560	12.5	15	5.0	1205	0.065
EEUFA1E681	25	680	10	25	5.0	1440	0.045	EEUFC1E681	25	680	10	20	5.0	1220	0.052
EEUFA1E102L	25	1000	10	30	5.0	1815	0.035	EEUFC1E102L	25	1000	10	30	5.0	1815	0.035
EEUFA1E102	25	1000	12.5	20	5.0	1655	0.038	EEUFC1E102	25	1000	12.5	20	5.0	1655	0.038
EEUFA1E102S	25	1000	16	15	7.5	1690	0.038	EEUFC1E102S	25	1000	16	15	7.5	1690	0.043
EEUFA1E122	25	1200	12.5	25	5.0	1945	0.034	EEUFC1E122	25	1200	12.5	25	5.0	1945	0.030
EEUFA1E122S	25	1200	18	15	7.5	2000	0.032	EEUFC1E122S	25	1200	18	15	7.5	2000	0.038
EEUFA1E152L	25	1500	12.5	30	5.0	2310	0.025	EEUFC1E152	25	1500	12.5	25	5.0	1945	0.030
EEUFA1E152	25	1500	16	20	7.5	2205	0.025	EEUFC1E152S	25	1500	16	20	7.5	2205	0.029
EEUFA1E182	25	1800	12.5	35	5.0	2510	0.022	EEUFC1E182L	25	1800	12.5	30	5.0	2310	0.025
EEUFA1E222L	25	2200	12.5	40	5.0	2655	0.018	EEUFC1E222	25	2200	12.5	35	5.0	2510	0.022
EEUFA1E222	25	2200	16	25	7.5	2555	0.022	EEUFC1E222S	25	2200	18	20	7.5	2490	0.028
EEUFA1E222S	25	2200	18	20	7.5	2490	0.022	EEUFC1E222S	25	2200	18	20	7.5	2490	0.028
EEUFA1E272	25	2700	16	31.5	7.5	3010	0.018	EEUFC1E272	25	2700	16	25	7.5	2555	0.022
EEUFA1E272S	25	2700	18	25	7.5	2740	0.019	EEUFC1E272	25	2700	16	25	7.5	2555	0.022
EEUFA1E332	25	3300	16	35.5	7.5	3150	0.016	EEUFC1E332	25	3300	16	31.5	7.5	3010	0.018
EEUFA1E392L	25	3900	16	40	7.5	3360	0.015	EEUFC1E392L	25	3900	16	35.5	7.5	3150	0.016
EEUFA1E392	25	3900	18	31.5	7.5	3635	0.016	EEUFC1E392	25	3900	18	31.5	7.5	3635	0.016
EEUFA1E472	25	4700	18	35.5	7.5	3680	0.015	EEUFC1E472	25	4700	18	35.5	7.5	3680	0.015
EEUFA1E562	25	5600	18	40	7.5	3735	0.014	EEUFC1E562	25	5600	18	40	7.5	3735	0.014
EEUFA1V151	35	150	8	11.5	3.5	555	0.117	EEUFC1V151	35	150	8	11.5	3.5	555	0.117
EEUFA1V221L	35	220	8	15	3.5	730	0.085	EEUFC1V221L	35	220	8	15	3.5	730	0.085
EEUFA1V221	35	220	10	12.5	5.0	755	0.090	EEUFC1V221	35	220	10	12.5	5.0	755	0.090
EEUFA1V271	35	270	10	16	5.0	950	0.068	EEUFC1V271	35	270	10	16	5.0	1050	0.068
EEUFA1V331	35	330	8	20	3.5	995	0.065	EEUFC1V331L	35	330	8	20	3.5	995	0.065
EEUFA1V391	35	390	10	20	5.0	1220	0.052	EEUFC1V391	35	390	10	20	5.0	1220	0.052
EEUFA1V391S	35	390	12.5	15	5.0	1205	0.060	EEUFC1V391S	35	390	12.5	15	5.0	1205	0.065
EEUFA1V471	35	470	10	25	5.0	1440	0.045	EEUFC1V471	35	470	10	20	5.0	1220	0.052
EEUFA1V681L	35	680	10	30	5.0	1815	0.035	EEUFC1V681L	35	680	10	30	5.0	1815	0.035
EEUFA1V681	35	680	12.5	20	5.0	1655	0.038	EEUFC1V681	35	680	12.5	20	5.0	1655	0.038
EEUFA1V681S	35	680	16	15	7.5	1690	0.038	EEUFC1V681S	35	680	16	15	7.5	1690	0.043
EEUFA1V821	35	820	18	15	7.5	2000	0.032	EEUFC1V821	35	820	18	15	7.5	2000	0.038
EEUFA1V102	35	1000	12.5	25	5.0	1945	0.034	EEUFC1V102	35	1000	12.5	25	5.0	1945	0.030
EEUFA1V122L	35	1200	12.5	30	5.0	2310	0.025	EEUFC1V122L	35	1200	12.5	30	5.0	2310	0.025
EEUFA1V122	35	1200	16	20	7.5	2205	0.025	EEUFC1V122	35	1200	16	20	7.5	2205	0.029
EEUFA1V152L	35	1500	12.5	35	5.0	2510	0.022	EEUFC1V152L	35	1500	12.5	35	5.0	2510	0.022
EEUFA1V152	35	1500	16	25	7.5	2555	0.022	EEUFC1V152	35	1500	16	25	7.5	2555	0.022
EEUFA1V152S	35	1500	18	20	7.5	2490	0.022	EEUFC1V152S	35	1500	18	20	7.5	2490	0.028
EEUFA1V182L	35	1800	12.5	40	5.0	2655	0.018	EEUFC1V182L	35	1800	12.5	40	5.0	2655	0.018
EEUFA1V182	35	1800	16	31.5	7.5	3010	0.018	EEUFC1V182	35	1800	16	25	7.5	2555	0.022
EEUFA1V182S	35	1800	18	25	7.5	2740	0.019	EEUFC1V182S	35	1800	18	20	7.5	2490	0.028
EEUFA1V222	35	2200	16	35.5	7.5	3150	0.016	EEUFC1V222	35	2200	16	31.5	7.5	3010	0.018
EEUFA1V272L	35	2700	16	40	7.5	3360	0.015	EEUFC1V272L	35	2700	16	35.5	7.5	3150	0.016
EEUFA1V272	35	2700	18	31.5	7.5	3635	0.016	EEUFC1V272	35	2700	18	31.5	7.5	3635	0.016
EEUFA1V332	35	3300	18	35.5	7.5	3680	0.015	EEUFC1V332	35	3300	18	35.5	7.5	3680	0.015
EEUFA1V392	35	3900	18	40	7.5	3735	0.014	EEUFC1V392	35	3900	18	40	7.5	3735	0.014

FA series replacement program to FC series (last order : July/End/2000)

EEUFAxxxxx



EEUFCxxxxx

1998/10/20

The deviation of ripple current/impedance is not acceptable in smaller size, please select higher voltage or higher capacitance part,

shows deviation

1999/11/24 rev.A

FA series								FC series							
FA series	WV V	Cap. uF	Case Size Dmm Lmm	Pitch mm	Ripple mA	Imp. ohm		FC series	WV V	Cap. uF	Case Size Dmm Lmm	Pitch mm	Ripple mA	Imp. ohm	
EEUFA1H820	50	82	8 11.5	3.5	485	0.234		EEUFC1H820	50	82	8 11.5	3.5	485	0.234	
EEUFA1H121L	50	120	8 15	3.5	635	0.155		EEUFC1H121L	50	120	8 15	3.5	635	0.155	
EEUFA1H121	50	120	10 12.5	5.0	615	0.162		EEUFC1H121	50	120	10 12.5	5.0	615	0.162	
EEUFA1H151	50	150	10 16	5.0	740	0.119		EEUFC1H151	50	150	10 16	5.0	850	0.119	
EEUFA1H181	50	180	8 20	3.5	860	0.120		EEUFC1H181L	50	180	8 20	3.5	860	0.120	
EEUFA1H221	50	220	10 20	5.0	1030	0.090		EEUFC1H221	50	220	10 20	5.0	1030	0.090	
EEUFA1H221S	50	220	12.5 15	5.0	1150	0.100		EEUFC1H221S	50	220	12.5 15	5.0	1150	0.110	
EEUFA1H271	50	270	10 25	5.0	1200	0.082		EEUFC1H271	50	270	10 25	5.0	1200	0.082	
EEUFA1H391	50	390	12.5 20	5.0	1480	0.058		EEUFC1H391	50	390	12.5 20	5.0	1480	0.063	
EEUFA1H391S	50	390	16 15	7.5	1610	0.075		EEUFC1H391S	50	390	16 15	7.5	1610	0.080	
EEUFA1H471	50	470	10 30	5.0	1610	0.060		EEUFC1H471L	50	470	10 30	5.0	1610	0.060	
EEUFA1H561	50	560	12.5 25	5.0	1832	0.050		EEUFC1H561	50	560	12.5 25	5.0	1832	0.050	
EEUFA1H561S	50	560	18 15	7.5	1900	0.062		EEUFC1H561S	50	560	18 15	7.5	1900	0.068	
EEUFA1H681L	50	680	12.5 30	5.0	2215	0.040		EEUFC1H681L	50	680	12.5 30	5.0	2215	0.040	
EEUFA1H681	50	680	16 20	7.5	1835	0.048		EEUFC1H681	50	680	16 20	7.5	1835	0.048	
EEUFA1H821L	50	820	12.5 35	5.0	2285	0.034		EEUFC1H821L	50	820	12.5 35	5.0	2285	0.034	
EEUFA1H821	50	820	18 20	7.5	2420	0.040		EEUFC1H821	50	820	18 20	7.5	2420	0.042	
EEUFA1H102L	50	1000	12.5 40	5.0	2590	0.030		EEUFC1H102L	50	1000	12.5 40	5.0	2590	0.030	
EEUFA1H102	50	1000	16 25	7.5	2235	0.034		EEUFC1H102	50	1000	16 25	7.5	2235	0.034	
EEUFA1H122	50	1200	16 31.5	7.5	2700	0.028		EEUFC1H122	50	1200	16 31.5	7.5	2700	0.028	
EEUFA1H122S	50	1200	18 25	7.5	2610	0.029		EEUFC1H122S	50	1200	18 25	7.5	2610	0.029	
EEUFA1H152L	50	1500	16 35.5	7.5	2790	0.025		EEUFC1H152L	50	1500	16 35.5	7.5	2790	0.025	
EEUFA1H152	50	1500	18 31.5	7.5	3000	0.025		EEUFC1H152L	50	1500	16 35.5	7.5	2790	0.025	
EEUFA1H182L	50	1800	16 40	7.5	2845	0.023		EEUFC1H182L	50	1800	16 40	7.5	2845	0.023	
EEUFA1H182	50	1800	18 35.5	7.5	3100	0.023		EEUFC1H182	50	1800	18 31.5	7.5	3000	0.025	
EEUFA1H222	50	2200	18 40	7.5	3250	0.020		EEUFC1H222	50	2200	18 35.5	7.5	3100	0.023	
EEUFA1J680	63	68	8 11.5	3.5	405	0.342		EEUFC1J680	63	68	8 11.5	3.5	405	0.342	
EEUFA1J101L	63	100	8 15	3.5	535	0.230		EEUFC1J101L	63	100	8 15	3.5	535	0.230	
EEUFA1J101	63	100	10 12.5	5.0	535	0.256		EEUFC1J101	63	100	10 12.5	5.0	535	0.256	
EEUFA1J121	63	120	10 16	5.0	600	0.194		EEUFC1J121	63	120	10 16	5.0	600	0.194	
EEUFA1J151	63	150	8 20	3.5	690	0.178		EEUFC1J151	63	150	8 20	3.5	690	0.178	
EEUFA1J181	63	180	10 20	5.0	885	0.147		EEUFC1J181	63	180	10 20	5.0	885	0.147	
EEUFA1J181S	63	180	12.5 15	5.0	1020	0.150		EEUFC1J181S	63	180	12.5 15	5.0	1020	0.150	
EEUFA1J221	63	220	10 25	5.0	1050	0.130		EEUFC1J221	63	220	10 25	5.0	1050	0.130	
EEUFA1J271	63	270	16 15	7.5	1410	0.090		EEUFC1J271	63	270	16 15	7.5	1410	0.090	
EEUFA1J331L	63	330	10 30	5.0	1300	0.090		EEUFC1J331L	63	330	10 30	5.0	1300	0.090	
EEUFA1J331	63	330	12.5 20	5.0	1285	0.085		EEUFC1J331	63	330	12.5 20	5.0	1285	0.085	
EEUFA1J391	63	390	12.5 25	5.0	1720	0.070		EEUFC1J391	63	390	12.5 25	5.0	1720	0.070	
EEUFA1J391S	63	390	18 15	7.5	1690	0.086		EEUFC1J391S	63	390	18 15	7.5	1690	0.086	
EEUFA1J471L	63	470	12.5 30	5.0	2090	0.055		EEUFC1J471L	63	470	12.5 30	5.0	2090	0.055	
EEUFA1J471	63	470	16 20	7.5	1765	0.059		EEUFC1J471	63	470	16 20	7.5	1765	0.059	
EEUFA1J681L	63	680	12.5 35	5.0	2265	0.047		EEUFC1J681L	63	680	12.5 35	5.0	2265	0.047	
EEUFA1J681	63	680	16 25	7.5	2160	0.050		EEUFC1J681	63	680	16 25	7.5	2160	0.050	
EEUFA1J681S	63	680	18 20	7.5	2290	0.055		EEUFC1J681S	63	680	18 20	7.5	2290	0.055	
EEUFA1J821L	63	820	12.5 40	5.0	2560	0.042		EEUFC1J821L	63	820	12.5 40	5.0	2560	0.042	
EEUFA1J821	63	820	16 31.5	7.5	2670	0.043		EEUFC1J821	63	820	16 31.5	7.5	2670	0.043	
EEUFA1J821S	63	820	18 25	7.5	2585	0.043		EEUFC1J821S	63	820	18 25	7.5	2585	0.043	
EEUFA1J102	63	1000	16 35.5	7.5	2770	0.036		EEUFC1J102	63	1000	16 35.5	7.5	2770	0.036	
EEUFA1J122L	63	1200	16 40	7.5	2825	0.030		EEUFC1J122L	63	1200	16 40	7.5	2825	0.030	
EEUFA1J122	63	1200	18 31.5	7.5	2950	0.032		EEUFC1J122	63	1200	18 31.5	7.5	2950	0.032	
EEUFA1J152	63	1500	18 35.5	7.5	3095	0.030		EEUFC1J152	63	1500	18 35.5	7.5	3095	0.030	
EEUFA1J182	63	1800	18 40	7.5	3205	0.025		EEUFC1J182	63	1800	18 40	7.5	3205	0.025	