



Alchip™ MVA/MVE Series Aluminum Electrolytic Capacitors (SMT) (Cont.)



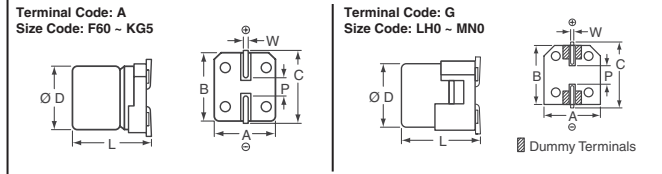
Rated W.V. (VDC)	Cap. (µF)	Size Code	Tan δ	Rated Ripple Current (mA RMS) @ 85°C 120Hz		Dimensions – mm		Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		United Chemi-Con Part No.
				20°C	40°C	D	L		5	10	25		Qty.	Pricing	
50	33	F80	0.14	65	6.3	7.7	565-2250-1-ND	4.00	6.69	13.74	565-2250-2-ND	900	161.91	EMV E500ADA330MF80G	
	47	F80	0.14	80	6.3	7.7	565-2251-1-ND	4.04	6.77	13.89	565-2251-2-ND	900	163.59	EMV E500ADA470MF80G	
	100	HA0	0.14	230	8.0	10.0	565-2252-1-ND	4.43	7.50	15.58	565-2252-2-ND	500	134.50	EMV E500ADA101MHA0G	
	220	JA0	0.14	375	10.0	10.0	565-2253-1-ND	5.63	9.55	19.81	565-2253-2-ND	500	171.10	EMV E500ADA221MJA0G	
	330	KE0	0.18	500	12.5	13.5	565-2254-1-ND	10.44	17.11	38.61	565-2254-2-ND	200	187.86	EMV E500ARA331MKE0S	
	470	LH0	0.18	700	16.0	16.5	565-2256-1-ND	19.12	33.98	82.30	565-2256-2-ND	125	258.83	EMV E500GDA471MLH0S	
	1000	MN0	0.18	1200	18.0	21.5	565-2258-1-ND	22.86	40.64	98.43	—	—	—	EMV E500GDA102MMN0S	
	0.47	D55	0.12	5.0	4.0	5.2	565-2259-1-ND	3.33	5.08	11.12	—	—	—	EMV E630ADA47MDS55G	
	1.0	D55	0.12	8.0	4.0	5.2	565-2260-1-ND	3.33	5.08	11.12	565-2260-2-ND	2,000	114.31/M	EMV E630ADA1R0MDS55G	
	2.2	D55	0.12	12	4.0	5.2	565-2261-1-ND	3.44	5.25	11.48	—	—	—	EMV E630ADA2R2MDS55G	
3.3	E55	0.12	17	5.0	5.2	565-2262-1-ND	3.04	5.09	10.45	565-2262-2-ND	1,000	129.19	EMV E630ADA3R3ME55G		
4.7	F55	0.12	22	6.3	5.2	565-2263-1-ND	3.25	5.45	11.17	565-2263-2-ND	1,000	138.04	EMV E630ADA4R7MF55G		
63	10	F55	0.12	32	6.3	5.2	565-2264-1-ND	3.29	5.51	11.31	565-2264-2-ND	1,000	139.81	EMV E630ADA100MF55G	
	22	F80	0.12	58	6.3	7.7	565-2265-1-ND	3.92	6.56	13.46	565-2265-2-ND	900	158.53	EMV E630ADA220MF80G	
	33	HA0	0.12	140	8.0	10.0	565-2266-1-ND	4.33	7.34	15.23	—	—	—	EMV E630ADA330MHA0G	
	47	HA0	0.12	170	8.0	10.0	565-2267-1-ND	4.40	7.46	15.46	565-2267-2-ND	500	133.52	EMV E630ADA470MHA0G	
	100	JA0	0.12	310	10.0	10.0	565-2268-1-ND	5.44	9.22	19.12	565-2268-2-ND	500	165.17	EMV E630ADA101MJA0G	
	220	KE0	0.14	470	12.5	13.5	565-2269-1-ND	10.44	17.11	38.61	565-2269-2-ND	200	187.86	EMV E630ARA221MKE0S	
	220	LH0	0.14	560	16.0	16.5	565-2270-1-ND	21.20	35.15	83.99	—	—	—	EMV E630GDA221MLH0S	
	470	LN0	0.14	900	16.0	21.5	565-2273-1-ND	20.99	37.31	90.36	—	—	—	EMV E630GDA471MLN0S	
	22	HA0	0.12	100	8.0	10.0	565-2275-1-ND	4.45	7.56	15.69	565-2275-2-ND	500	135.50	EMV E101ADA220MHA0G	
	33	JA0	0.12	150	10.0	10.0	565-2276-1-ND	5.53	9.38	19.47	565-2276-2-ND	500	168.13	EMV E101ADA330MJA0G	
100	47	KE0	0.10	250	12.5	13.5	565-2277-1-ND	9.66	15.83	35.73	565-2277-2-ND	200	173.81	EMV E101ARA470MKE0S	
	68	KE0	0.10	300	12.5	13.5	565-2278-1-ND	9.84	16.14	36.40	565-2278-2-ND	200	177.08	EMV E101ARA680MKE0S	
	100	LH0	0.10	450	16.0	16.5	565-2279-1-ND	18.92	33.65	81.49	565-2279-2-ND	125	256.30	EMV E101GDA101MLH0S	
	100	KE0	0.10	380	12.5	13.5	565-2280-1-ND	10.34	16.94	38.23	565-2280-2-ND	200	185.99	EMV E101ARA101MKE0S	
	220	LN0	0.10	750	16.0	21.5	565-2281-1-ND	21.55	38.31	92.79	—	—	—	EMV E101GDA221MLN0S	
	220	MH0	0.10	750	18.0	16.5	565-2282-1-ND	20.61	36.64	88.75	565-2282-2-ND	125	279.13	EMV E101GDA221MMH0S	
	330	MN0	0.10	980	18.0	21.5	565-2283-1-ND	23.05	40.98	99.24	—	—	—	EMV E101GDA331MMN0S	

Alchip™ MVH Series Aluminum Electrolytic Capacitors (SMT)
High Temperature 125°C



Features: • 125°C Maximum Temperature (1000 – 5000 Hour Life) • Solvent Proof (25 - 50V)
Specifications: • Operating Temperature: -40°C – 125°C • Capacitance Tolerance: ±20%
Case Dimensions:

Size Code	D	L	A	B	C	W	P
F60	6.3	5.7	6.6	6.6	7.2	0.5 – 0.8	1.9
F80	6.3	7.7	6.6	6.6	7.2	0.5 – 0.8	1.9
H63	8.0	6.3	8.3	8.3	9.0	0.5 – 0.8	2.3
HA0	8.0	10.0	8.3	8.3	9.0	0.7 – 1.1	3.1
JA0	10.0	10.0	10.3	10.3	11.0	1.0 – 1.3	4.5
KE0	12.5	13.5	13.0	13.0	13.7	1.0 – 1.3	4.2
KG5	12.5	16.0	13.0	13.0	13.7	1.0 – 1.3	4.2
LH0	16.0	16.5	17.0	17.0	18.0	1.0 – 1.3	6.5
LN0	16.0	21.5	17.0	17.0	18.0	1.0 – 1.3	6.5
MH0	18.0	16.5	19.0	19.0	20.0	1.0 – 1.3	6.5
MN0	18.0	21.5	19.0	19.0	20.0	1.0 – 1.3	6.5



Leakage Current @ 20°C 120Hz:

Case F60 to JA0	I=0.01CV or 3µA, whichever is greater
Case KE0 to MN0	I=0.03CV or 4µA, whichever is greater

Dissipation Factor @ 20°C 120Hz:

Rated Voltage (V)	25	35	50	63	100
Case F60-JA0	0.16	0.14	0.14	0.12	0.10
Case KE0-MN0	0.16	0.14	0.12	0.14	0.10

Rated W.V. (VDC)	Cap. (µF)	Size Code	Maximum ESR (Ω) @ 100kHz		Rated Ripple Current (mA RMS) 100kHz	Dimensions – mm		Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		United Chemi-Con Part No.
			20°C	40°C		D	L		5	10	25		Qty.	Pricing	
25	33	F60	1.6	24.0	69	6.3	5.7	565-2299-1-ND	2.91	4.88	10.03	565-2299-2-ND	1,000	123.88	EMV H250ADA330MF60G
	47	F80	0.90	14.0	110	6.3	7.7	565-2300-1-ND	3.58	6.00	12.32	565-2300-2-ND	900	145.04	EMV H250ADA470MF80G
	100	H63	0.90	14.0	110	8.0	6.3	565-2301-1-ND	4.08	6.84	14.03	565-2301-2-ND	1,000	173.44	EMV H250ADA470MH63G
	100	HA0	0.40	6.0	220	8.0	10.0	565-2302-1-ND	5.25	8.78	18.04	565-2302-2-ND	500	131.17	EMV H250ADA101MHA0G
	220	JA0	0.30	4.5	296	10.0	10.0	565-2303-1-ND	5.21	8.82	18.32	565-2303-2-ND	500	158.24	EMV H250ADA221MJA0G
	330	KE0	0.14	2.1	750	12.5	13.5	565-2304-1-ND	9.47	15.54	35.05	565-2304-2-ND	200	170.52	EMV H250ARA331MKE0S
	470	KE0	0.14	2.1	750	12.5	13.5	565-2305-1-ND	9.55	15.67	35.35	—	—	—	EMV H250ARA471MKE0S
	470	LH0	0.10	1.5	1000	16.0	16.5	565-2306-1-ND	19.44	32.24	77.06	565-2306-2-ND	125	248.95	EMV H250GDA471MLH0S
	680	LH0	0.10	1.5	1000	16.0	16.5	565-2307-1-ND	19.44	32.24	77.06	565-2307-2-ND	125	248.95	EMV H250GDA681MLH0S
	1000	MN0	0.058	0.87	1550	18.0	21.5	565-2309-1-ND	21.37	37.97	91.98	565-2309-2-ND	75	191.38	EMV H250GDA102MMN0S
35	10	F60	1.6	24.0	69	6.3	5.7	565-2310-1-ND	2.91	4.88	10.03	565-2310-2-ND	1,000	123.88	EMV H350ADA100MF60G
	22	F80	1.6	24.0	69	6.3	5.7	565-2311-1-ND	2.91	4.88	10.03	565-2311-2-ND	1,000	123.88	EMV H350ADA220MF60G
	33	F80	0.90	14.0	110	6.3	7.7	565-2312-1-ND	3.62	6.07	12.45	—	—	—	EMV H350ADA330MF80G
	33	H63	0.90	14.0	110	8.0	6.3	565-2313-1-ND	4.08	6.84	14.03	565-2313-2-ND	1,000	173.44	EMV H350ADA330MH63G
	47	HA0	0.40	6.0	220	8.0	10.0	565-2314-1-ND	5.21	8.72	17.90	565-2314-2-ND	500	130.13	EMV H350ADA470MHA0G
	100	JA0	0.30	4.5	296	10.0	10.0	565-2315-1-ND	5.24	8.88	18.43	565-2315-2-ND	500	159.23	EMV H350ADA101MJA0G
	330	KE0	0.14	2.1	750	12.5	13.5	565-2317-1-ND	9.55	15.67	35.35	565-2317-2-ND	200	171.93	EMV H350ARA331MKE0S
	470	LH0	0.10	1.5	1000	16.0	16.5	565-2318-1-ND	19.51	32.35	77.31	565-2318-2-ND	125	249.78	EMV H350GDA331MLH0S
	330	KG5	0.11	1.5	900	12.5	16.0	565-2319-1-ND	12.39	20.32	45.84	565-2319-2-ND	150	167.25	EMV H350ARA471MKG5S
	470	LH0	0.10	1.5	1000	16.0	16.5	565-2319-1-ND	19.61	32.54	77.73	565-2319-2-ND	125	251.14	EMV H350GDA471MLH0S
50	680	MH0	0.10	1.5	1200	18.0	16.5	565-2320-1-ND	21.21	35.19	84.08	565-2320-2-ND	125	271.64	EMV H350GDA681MMH0S
	10	F60	2.8	42.0	51	6.3	5.7	565-2321-1-ND	3.77	5.75	12.57	565-2321-2-ND	1,000	136.48	EMV H500ADA100MF60G
	22	F80	2.0	30.0	83	6.3	7.7	565-2322-1-ND	3.54	5.93	12.17	565-2322-2-ND	900	143.35	EMV H500ADA220MF80G
	22	H63	1.6	30.0	83	8.0	6.3	565-2323-1-ND	4.04	6.77	13.89	565-2323-2-ND	1,000	171.67	EMV H500ADA220MH63G
	33	HA0	0.70	11.0	160	8.0	10.0	565-2324-1-ND	5.17	8.65	17.75	565-2324-2-ND	500	129.09	EMV H500ADA330MHA0G
	47	JA0	0.50	7.5	247	10.0	10.0	565-2325-1-ND	5.11	8.66	17.98	565-2325-2-ND	500	155.28	EMV H500ADA470MJA0G
	100	KE0	0.23	3.5	550	12.5	13.5	565-2326-1-ND	9.14						