



Alchip™ MVY Series Aluminum Electrolytic Capacitors (SMT) (Cont.)



Rated W.V. (VDC)	Cap. (µF)	Size Code	Max. Impedance (Ω) @ 100kHz 20°C	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.
					D	L		5	10	25		Qty.	Pricing	
16	10	D55	3.0	60	4.0	5.2	565-2442-1-ND	2.54	3.86	8.45	565-2442-2-ND	2,000	86.86/M	EMVY160ADA100MD55G
	22	E55	1.8	95	5.0	5.2	565-2443-1-ND	3.06	4.38	9.30	565-2443-2-ND	1,000	91.90	EMVY160ADA220MF55G
	33	F55	1.0	140	6.3	5.2	565-2444-1-ND	2.95	4.49	9.82	—	—	—	EMVY160ADA330MF55G
	47	F55	1.0	140	6.3	5.2	565-2445-1-ND	2.72	4.13	9.03	565-2445-2-ND	1,000	98.08	EMVY160ADA470MF55G
	100	F55	1.0	140	6.3	5.2	565-2446-1-ND	2.88	4.40	9.63	565-2446-2-ND	1,000	104.47	EMVY160ADA101MF55G
	220	F80	0.34	280	6.3	7.7	565-2447-1-ND	3.66	5.57	12.18	565-2447-2-ND	900	125.23	EMVY160ADA221MF80G
	330	HA0	0.30	450	8.0	10.0	565-2448-1-ND	4.22	7.07	14.51	565-2448-2-ND	500	105.48	EMVY160ADA331MHA0G
	470	HA0	0.30	450	8.0	10.0	565-2449-1-ND	4.31	7.22	14.81	565-2449-2-ND	500	107.73	EMVY160ADA471MHA0G
	680	JA0	0.15	670	10.0	10.0	565-2450-1-ND	5.34	8.94	18.36	565-2450-2-ND	500	133.54	EMVY160ADA681MJA0G
	1000	KE0	0.070	820	12.5	13.5	565-2451-1-ND	7.91	12.97	29.28	565-2451-2-ND	200	142.40	EMVY160ARA102MKE0S
25	10	E55	1.8	95	5.0	5.2	565-2458-1-ND	3.06	4.67	10.21	565-2458-2-ND	1,000	110.87	EMVY250ADA100ME55G
	22	F55	1.0	140	6.3	5.2	565-2459-1-ND	3.12	4.76	10.41	565-2459-2-ND	1,000	113.00	EMVY250ADA220MF55G
	33	F55	1.0	140	6.3	5.2	565-2460-1-ND	3.12	4.76	10.41	565-2460-2-ND	1,000	113.00	EMVY250ADA330MF55G
	47	F55	1.0	140	6.3	5.2	565-2461-1-ND	3.12	4.76	10.41	565-2461-2-ND	1,000	113.00	EMVY250ADA470MF55G
	100	F80	0.34	280	6.3	7.7	565-2462-1-ND	3.95	6.01	13.16	565-2462-2-ND	900	135.33	EMVY250ADA101MF80G
	220	HA0	0.30	450	8.0	10.0	565-2463-1-ND	4.26	7.15	14.66	565-2463-2-ND	500	106.61	EMVY250ADA221MHA0G
	330	HA0	0.30	450	8.0	10.0	565-2464-1-ND	4.35	7.29	14.97	565-2464-2-ND	500	108.85	EMVY250ADA331MHA0G
	470	JA0	0.15	670	10.0	10.0	565-2465-1-ND	5.43	9.10	18.67	565-2465-2-ND	500	135.78	EMVY250ADA471MJA0G
	2200	LNO	0.038	1630	16.0	21.5	565-2468-1-ND	18.98	31.48	75.22	565-2468-2-ND	75	166.64	EMVY250GDA222MLN0S
	2200	MNO	0.038	1750	18.0	21.5	565-2469-1-ND	19.83	32.89	78.60	—	—	—	EMVY250GDA222MNO0S
3300	MNO	0.038	1750	18.0	21.5	565-2470-1-ND	20.91	34.69	82.88	565-2470-2-ND	75	183.61	EMVY250GDA332MNO0S	
35	4.7	D55	3.0	60	4.0	5.2	565-2471-1-ND	2.48	3.77	8.25	565-2471-2-ND	2,000	84.84/M	EMVY350ADA47RMD55G
	10	E55	1.8	95	5.0	5.2	565-2472-1-ND	2.83	4.31	9.43	565-2472-2-ND	1,000	102.34	EMVY350ADA100ME55G
	22	F55	1.0	140	6.3	5.2	565-2473-1-ND	3.19	4.85	10.60	565-2473-2-ND	1,000	115.13	EMVY350ADA220MF55G
	33	F55	1.0	140	6.3	5.2	565-2474-1-ND	3.36	5.12	11.20	565-2474-2-ND	1,000	121.53	EMVY350ADA330MF55G
	47	F55	1.0	140	6.3	5.2	565-2475-1-ND	3.30	5.03	11.00	565-2475-2-ND	1,000	119.40	EMVY350ADA470MF55G
	68	F80	0.34	280	6.3	7.7	565-2476-1-ND	4.01	6.10	13.35	565-2476-2-ND	900	137.35	EMVY350ADA680MF80G
	100	HA0	0.30	450	8.0	10.0	565-2477-1-ND	4.26	7.15	14.66	565-2477-2-ND	500	106.61	EMVY350ADA101MHA0G
	220	HA0	0.30	450	8.0	10.0	565-2478-1-ND	4.40	7.37	15.13	565-2478-2-ND	500	109.97	EMVY350ADA221MHA0G
	330	JA0	0.15	670	10.0	10.0	565-2479-1-ND	5.48	9.17	18.83	565-2479-2-ND	500	136.90	EMVY350ADA331MJA0G
	470	KE0	0.070	820	12.5	13.5	565-2480-1-ND	7.97	13.06	29.48	565-2480-2-ND	200	143.41	EMVY350ARA471MKE0S
50	470	LH0	0.054	1260	16.0	16.5	565-2482-1-ND	16.65	27.63	66.02	565-2482-2-ND	125	213.27	EMVY500GDA471MLH0S
	1000	LH0	0.054	1260	16.0	16.5	565-2483-1-ND	17.05	28.27	67.57	565-2483-2-ND	125	218.27	EMVY500GDA102MMH0S
	1000	MH0	0.054	1350	18.0	16.5	565-2484-1-ND	17.85	29.60	70.75	565-2484-2-ND	125	228.58	EMVY500GDA102MMH0S
	2200	MNO	0.038	1750	18.0	21.5	565-2485-1-ND	20.96	34.75	83.06	565-2485-2-ND	75	184.01	EMVY500GDA222MNO0S
	22	F55	2.0	70	6.3	5.2	565-2491-1-ND	4.12	4.76	10.41	565-2491-2-ND	1,000	113.00	EMVY500ADA220MF55G
	33	F80	0.60	170	6.3	7.7	565-2492-1-ND	3.89	5.93	12.96	565-2492-2-ND	900	133.31	EMVY500ADA330MF80G
	47	F80	0.60	170	6.3	7.7	565-2493-1-ND	3.95	6.01	13.16	565-2493-2-ND	900	135.33	EMVY500ADA470MF80G
	68	HA0	0.60	300	8.0	10.0	565-2494-1-ND	4.17	6.99	14.35	565-2494-2-ND	500	104.36	EMVY500ADA680MHA0G
	100	HA0	0.60	300	8.0	10.0	565-2495-1-ND	4.58	7.66	15.74	565-2495-2-ND	500	114.46	EMVY500ADA101MHA0G
	220	JA0	0.30	500	10.0	10.0	565-2496-1-ND	5.43	9.10	18.67	565-2496-2-ND	500	135.78	EMVY500ADA221MJA0G
63	330	KE0	0.11	650	12.5	13.5	565-2497-1-ND	8.11	13.30	30.00	565-2497-2-ND	200	145.94	EMVY500ARA331MKE0S
	470	LH0	0.087	900	16.0	16.5	565-2499-1-ND	16.74	27.77	66.38	565-2499-2-ND	125	214.44	EMVY500GDA471MLH0S
	1000	MNO	0.050	1520	18.0	21.5	565-2501-1-ND	20.45	33.92	81.05	565-2501-2-ND	75	179.57	EMVY500GDA102MNO0S
	68	KE0	0.19	500	12.5	13.5	565-2502-1-ND	7.38	12.10	27.30	565-2502-2-ND	200	132.81	EMVY630ARA680MKE0S
	100	KE0	0.19	500	12.5	13.5	565-2503-1-ND	7.38	12.10	27.30	565-2503-2-ND	200	132.81	EMVY630ARA101MKE0S
	220	KE0	0.19	500	12.5	13.5	565-2504-1-ND	7.69	12.60	28.45	565-2504-2-ND	200	138.36	EMVY630ARA221MKE0S
	220	LH0	0.12	845	16.0	16.5	565-2505-1-ND	15.82	26.25	62.73	565-2505-2-ND	125	202.66	EMVY630GDA221MLH0S
	330	LH0	0.12	845	16.0	16.5	565-2506-1-ND	16.08	26.67	63.73	565-2506-2-ND	125	205.91	EMVY630GDA331MLH0S
	470	LNO	0.085	1100	16.0	21.5	565-2507-1-ND	18.06	29.95	71.57	565-2507-2-ND	75	158.56	EMVY630GDA471MLN0S
	470	MH0	0.12	905	18.0	16.5	565-2508-1-ND	17.26	28.62	68.38	565-2508-2-ND	125	220.93	EMVY630GDA471MMH0S
100	47	KE0	0.33	450	12.5	13.5	565-2509-1-ND	7.29	11.96	26.99	565-2509-2-ND	200	131.29	EMVY101ARA470MKE0S
	68	KE0	0.33	450	12.5	13.5	565-2510-1-ND	7.44	12.20	27.50	565-2510-2-ND	200	133.82	EMVY101ARA680MKE0S
	100	KE0	0.33	450	12.5	13.5	565-2511-1-ND	7.61	12.47	28.13	565-2511-2-ND	200	136.85	EMVY101ARA101MKE0S
	100	LH0	0.24	650	16.0	16.5	565-2512-1-ND	15.82	26.25	62.73	565-2512-2-ND	125	202.66	EMVY101GDA101MLH0S
	220	LNO	0.16	900	16.0	21.5	565-2513-1-ND	18.01	29.87	71.39	565-2513-2-ND	75	158.16	EMVY101GDA221MLN0S
	220	MH0	0.24	700	18.0	16.5	565-2514-1-ND	17.26	28.62	68.38	565-2514-2-ND	125	220.93	EMVY101GDA221MMH0S
	330	MNO	0.16	950	18.0	21.5	565-2515-1-ND	19.39	32.16	76.86	565-2515-2-ND	75	170.28	EMVY101GDA331MNO0S

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Alchip™ MZA Series Aluminum Electrolytic Capacitors (SMT)



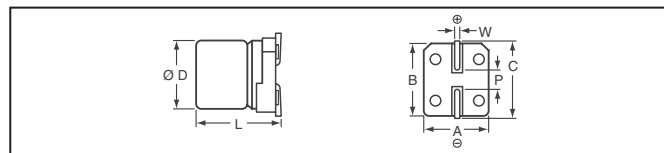
Very Low Impedance 105°C

Features: • Very Low Impedance • Solvent Proof • 105°C Maximum Temperature (2000 Hour Life)

Specifications: • Operating Temperature Range: -55°C ~ 105°C • Capacitance Tolerance: ±20% • Leakage Current: @ 20°C after 2 minutes: I=0.01CV or 3µA, whichever is greater

Case Dimensions:

Size Code	D	L	A	B	C	W	P
D61	4	5.8	4.3	4.3	5.1	0.5 - 0.8	1.0
E61	5	5.8	5.3	5.3	5.9	0.5 - 0.8	1.4
F61	6.3	5.8	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
HA0	8	10.0	8.3	8.3	9.0	0.7 - 1.1	3.1
JA0	10	10.0	10.3	10.3	11.0	0.7 - 1.1	4.5



Rated W.V. (VDC)	Cap. (µF)	Size Code	Tan δ	Max. Impedance (Ω) @ 100kHz 20°C	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.
						D	L		5	10	25		Qty.	Pricing	
6.3	47	D61	0.26	1.35	90	4.0	5.8	565-2517-1-ND	3.14	5.26	10.81	565-2517-2-ND	2,000	125.68/M	EMZA6R3ADA470MD61G
	47	E61	0.26	0.70	160	5.0	5.8	565-2518-1-ND	3.73	6.24	12.80	565-2518-2-ND	1,000	158.34	EMZA6R3ADA470ME61G
	100	E61	0.26	0.70	160	5.0	5.8	565-2519-1-ND	3.73	6.24	12.80	565-2519-2-ND	1,000	158.34	EMZA6R3ADA101ME61G
	100	F61	0.26	0.36	240	6.3	5.8	565-2520-1-ND	4.22	7.07	14.51	565-2520-2-ND	1,000	179.32	EMZA6R3ADA101MF61G
	220	F61	0.26	0.36	240	6.3	5.8	565-2521-1-ND	4.26	7.15	14.66	565-2521-2-ND	1,000	181.23	EMZA6R3ADA221MF61G
	330	F80	0.26	0.34	280	6.3	7.7	565-2522-1-ND	4.35	7.29	14.97	565-2522-2-ND	900	176.34	EMZA6R3ADA331MF80G

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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