

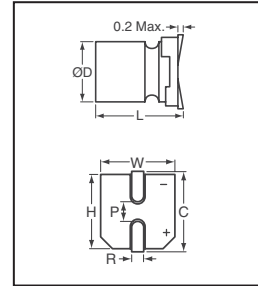


FS Series Aluminum Polymer Electrolytic Capacitors

Features: • By using Functional Polymer cathode, frequency and temperature characteristics are greatly improved • Low ESR at a high frequency range • High ripple current capability • Long life and high reliability
Applications: • Switching Power Supply and DC/DC Converter • Back up Power Supplies of CPU(VRM) • Miniature high Power Supply
Specifications: • Operating Temperature Range: -55°C ~ 105°C • Capacitance Tolerance: ±20% • Leakage Current not to exceed the initial specified value



Size øD x L	Dimensions — mm				
	W	H	C	P	R
4 x 5.2	4.3	4.3	5.1	1.0	0.5 - 0.9
5 x 5.7	5.3	5.3	5.9	1.4	0.5 - 0.9



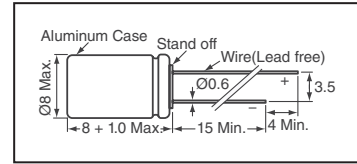
Rated Voltage	Rated Capacitance (µF, 120Hz)	Leakage Current (µA, 2min.)	tanδ (120Hz)	ESR (mΩ, 100kHz)	Rated Ripple Current (mA, r.m.s.)	Case Size øDxL (mm)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		Nichicon Part No.
								1	10	100		Qty.	Price	
2.5	180	300	0.12	21	2670	5 x 5.7	493-3676-1-ND	.78	.66	.42	493-3676-2-ND	1,000	167.37	RFS0E181MCN1GS
	100	300	0.12	22	2610	5 x 5.7	493-3677-1-ND	.78	.66	.42	493-3677-2-ND	1,000	167.37	RFS0G101MCN1GS
4.0	150	300	0.12	22	2610	5 x 5.7	493-3678-1-ND	.78	.66	.42	493-3678-2-ND	1,000	167.37	RFS0G151MCN1GS
	47	300	0.12	30	2000	5 x 5.7	493-3679-1-ND	.75	.64	.40	493-3679-2-ND	1,000	160.96	RFS0J470MCN1GS
6.3	100	300	0.12	24	2500	5 x 5.7	493-3680-1-ND	.75	.64	.40	493-3680-2-ND	1,000	160.96	RFS0J101MCN1GS
	120	300	0.12	24	2500	5 x 5.7	493-3681-1-ND	.80	.68	.43	493-3681-2-ND	1,000	170.57	RFS0J121MCN1GS
10	10	100	0.12	220	700	4 x 5.2	493-3682-1-ND	.74	.62	.39	493-3682-2-ND	2,000	147.35/M	RFS1A100MCN1GB
	68	300	0.12	30	2000	5 x 5.7	493-3683-1-ND	.80	.68	.43	493-3683-2-ND	1,000	170.57	RFS1A680MCN1GS

E5 Series Aluminum Polymer Electrolytic Capacitors

Features: • By using Functional Polymer cathode, frequency and temperature characteristics are greatly improved • Low ESR at a high frequency range • High ripple current capability • Long life and high reliability
Applications: • Switching Power Supply and DC/DC Converter • Back up Power Supplies of CPU(VRM) • Miniature high Power Supply
Specifications: • Operating Temperature Range: -55°C ~ 105°C • Capacitance Tolerance: ± 20% • Leakage Current not to exceed the value specified



Rated Voltage	Rated Capacitance (µF, 120Hz)	Leakage Current (µA, 2min.)	tanδ (120Hz)	ESR (mΩ, 100kHz)	Rated Ripple Current (mA, r.m.s.)	Digi-Key Part No.	Price Each			Nichicon Part No.
							1	10	100	
2.5	560	500	0.10	5	6300	493-3684-ND	.48	.34	.23	RE50E561MDN1
	820	513	0.10	5	6300	493-3685-ND	.51	.37	.24	RE50E821MDN1
4.0	560	560	0.10	5	6300	493-3686-ND	.51	.37	.24	RE50G561MDN1

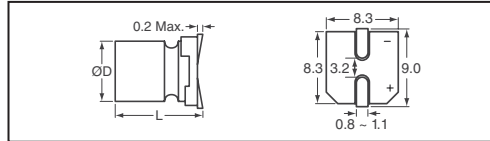


F HS and HA Series Aluminum Polymer Electrolytic Capacitors

Features: • By using Functional Polymer cathode, frequency and temperature characteristics are greatly improved • Low ESR at a high frequency range • High ripple current capability • Long life and high reliability
Applications: • Switching Power Supply and DC/DC Converter • Back up Power Supplies of CPU(VRM) • Miniature high Power Supply
Specifications: • Operating Temperature Range: -55°C ~ 105°C • Capacitance Tolerance: ± 20% • Leakage Current not to exceed the initial specified value



Rated Voltage	Rated Capacitance (µF, 120Hz)	Leakage Current (µA, 2min.)	tanδ (120Hz)	ESR (mΩ, 100kHz)	Rated Ripple Current (mA, r.m.s.)	Case Size øDxL (mm)	Digi-Key Part No.	Price Each			Digi-Key Part No.	Tape and Reel		Nichicon Part No.
								1	10	100		Qty.	Price	
2.5	680	700	0.12	8	4500	8 x 6.7	493-3758-1-ND	.83	.71	.49	493-3758-2-ND	1,000	176.98	RHA0E681MCN1GS
	820	700	0.12	9	5400	8 x 11.7	493-3759-1-ND	1.03	.86	.63	493-3759-2-ND	500	135.34	RHS0E821MCN1GS
	820	700	0.12	8	4500	8 x 6.7	493-3760-1-ND	.87	.74	.51	493-3760-2-ND	1,000	184.18	RHA0E821MCN1GS
	750	750	0.12	8	4500	8 x 7.7	493-3761-1-ND	.88	.74	.55	493-3761-2-ND	900	197.48	RHA0E102MCN1GS
	1,500	1,125	0.12	9	5400	8 x 11.7	493-3762-1-ND	1.01	.83	.67	493-3762-2-ND	500	149.75	RHS0E152MCN1GS
4.0	560	700	0.12	16	3200	8 x 6.7	493-3763-1-ND	.86	.73	.50	493-3763-2-ND	1,000	181.78	RHS0G561MCN1GS
	560	700	0.12	8	4500	8 x 6.7	493-3764-1-ND	.87	.75	.51	493-3764-2-ND	1,000	185.79	RHA0G561MCN1GS
	680	816	0.12	8	4500	8 x 7.7	493-3765-1-ND	.83	.70	.52	493-3765-2-ND	900	185.95	RHA0G681MCN1GS
	1,200	1,440	0.12	9	5400	8 x 11.7	493-3766-1-ND	1.03	.84	.68	493-3766-2-ND	500	152.15	RHS0G122MCN1GS
	1,500	1,800	0.12	12	5400	8 x 11.7	493-3767-1-ND	1.13	.93	.75	493-3767-2-ND	500	167.37	RHS0G152MCN1GS
6.3	330	700	0.12	9	4500	8 x 6.7	493-3768-1-ND	.83	.71	.49	493-3768-2-ND	1,000	176.98	RHA0J331MCN1GS
	390	737	0.12	18	3200	8 x 6.7	493-3769-1-ND	.83	.71	.48	493-3769-2-ND	1,000	175.38	RHS0J391MCN1GS
	390	737	0.12	9	4500	8 x 6.7	493-3770-1-ND	.87	.75	.51	493-3770-2-ND	1,000	185.79	RHA0J391MCN1GS
	470	888	0.12	9	4500	8 x 6.7	493-3771-1-ND	.87	.75	.51	493-3771-2-ND	1,000	185.79	RHA0J471MCN1GS
	560	1,056	0.12	9	4500	8 x 7.7	493-3772-1-ND	.83	.70	.52	493-3772-2-ND	900	185.95	RHA0J561MCN1GS
10	820	1,550	0.12	10	5150	8 x 11.7	493-3773-1-ND	.78	.59	.43	493-3773-2-ND	500	134.93	RHS0J821MCN1GS
	1,000	1,890	0.12	10	5150	8 x 11.7	493-3774-1-ND	1.01	.83	.67	493-3774-2-ND	500	149.35	RHS0J102MCN1GS
16	150	700	0.12	25	3000	8 x 6.7	493-3775-1-ND	.89	.76	.52	493-3775-2-ND	1,000	187.39	RHS1A151MCN1GS
	150	700	0.12	22	3220	8 x 6.7	493-3776-1-ND	.84	.70	.52	493-3776-2-ND	1,000	196.20	RHA1C151MCN1GS

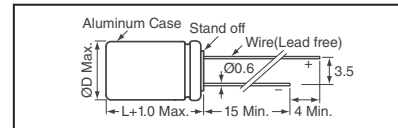


L8 Series Aluminum Polymer Electrolytic Capacitors

Features: • By using Functional Polymer cathode, Frequency and Temperature characteristics are greatly improved • Low ESR at a high frequency range • High ripple current capability • Long life and high reliability
Applications: • Switching Power Supply and DC/DC Converter • Back up Power Supplies of CPU (VRM) • Miniature high Power Supply
Specifications: • Operating Temperature Range: -55 ~ 105°C • Capacitance Tolerance: ± 20% • Leakage Current not to exceed the value specified



Rated Voltage	Rated Capacitance (µF, 120Hz)	Leakage Current (µA, 2min.)	tanδ (120Hz)	ESR (mΩ, 100kHz)	Rated Ripple Current (mA, r.m.s.)	Case Size øDxL (mm)	Digi-Key Part No.	Price Each			Digi-Key Part No.	Tape and Box		Nichicon Part No.
								1	10	100		Pricing 1,000		
2.5	560	500	0.12	6	6100	8 x 8	493-4008-1-ND	.53	.38	.25	493-4008-3-ND	153.83	RL80E561MDN1KX	
	500	500	0.12	6	6100	8 x 8	493-4009-1-ND	.53	.39	.27	493-4009-3-ND	176.82	RL80E561MDNASQKX	
	820	513	0.12	6	6100	8 x 8	493-4010-1-ND	.53	.38	.25	493-4010-3-ND	153.83	RL80E821MDN1KX	
	820	513	0.12	6	6100	8 x 8	493-4011-1-ND	.55	.41	.29	493-4011-3-ND	187.07	RL80E821MDNASQKX	
	1000	625	0.12	6	6100	8 x 8	493-4012-1-ND	.55	.41	.29	493-4012-3-ND	187.07	RL80E102MDN1KX	
4.0	1200	750	0.12	7	6100	8 x 8	493-4013-1-ND	.55	.41	.29	493-4013-3-ND	187.07	RL80E122MDN1KX	
	1500	938	0.12	7	6100	8 x 8	493-4014-1-ND	.58	.44	.30	493-4014-3-ND	197.32	RL80E152MDN1KX	
	560	560	0.12	6	6100	8 x 8	493-4015-1-ND	.51	.37	.24	493-4015-3-ND	151.11	RL80G561MDN1KX	
	560	560	0.12	6	6100	8 x 8	493-4016-1-ND	.56	.42	.29	493-4016-3-ND	188.35	RL80G561MDNASQKX	
	820	820	0.12	6	6100	8 x 8	493-4017-1-ND	.56	.40	.27	493-4017-3-ND	164.72	RL80G821MDN1KX	
6.3	470	592	0.12	8	5700	8 x 8	493-4018-1-ND	.50	.36	.24	493-4018-3-ND	147.03	RL80J471MDN1KX	
	470	592	0.12	8	5700	8 x 8	493-4019-1-ND	.56	.42	.29	493-4019-3-ND	188.35	RL80J471MDNASQKX	
	560	706	0.12	8	5700	8 x 8	493-4020-1-ND	.54	.39	.26	493-4020-3-ND	157.92	RL80J561MDN1KX	
	560	706	0.12	8	5700	8 x 8	493-4021-1-ND	.61	.46	.31	493-4021-3-ND	206.29	RL80J561MDNASQKX	
	680	857	0.12	8	5700	8 x 8	493-4022-1-ND	.54	.39	.26	493-4022-3-ND	157.92	RL80J681MDN1KX	
10	820	1033	0.12	8	5700	8 x 8	493-4023-1-ND	.58	.42	.28	493-4023-3-ND	171.53	RL80J821MDN1KX	
	1000	1260	0.12	9	5700	8 x 8	493-4024-1-ND	.58	.43	.30	493-4024-3-ND	193.73	RL80J102MDN1KX	
	180	576	0.12	12	5000	8 x 8	493-4025-1-ND	.50	.38	.26	493-4025-3-ND	170.41	RL81C181MDN1KX	
16	220	704	0.12	12	5000	8 x 8	493-4026-1-ND	.55	.41	.28	493-4026-3-ND	185.79	RL81C221MDN1KX	
	270	864	0.12	12	5000	8 x 8	493-4027-1-ND	.62	.46	.32	493-4027-3-ND	207.57	RL81C271MDN1KX	



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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