



**NPCAP™ PSC / PSE Series Polymer Aluminum Electrolytic Capacitors (Radial Lead)**



Ultra - Low ESR 105°C

**Features:**

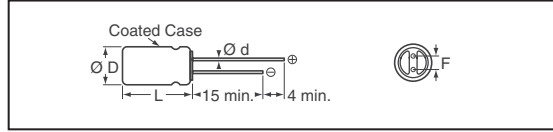
- Solid functional polymer aluminum • Super - Low ESR • High ripple current capability • High temperature resistance • 105°C Maximum Temperature

**Specifications:**

- **Operating Temperature Range:** -55°C - 105°C • **Capacitance Tolerance:** ±20% • **Dissipation Factor:** 0.1 maximum @ 20°C, 120Hz

Size Code	ØD	Ød	F	L
F08	6.3	0.6	2.5	8.0
H08	8.0	0.6	3.5	8.0
HB5	8.0	0.8†	3.5	11.5
JB5	10.0	0.8†	5.0	11.5
JC5	10.0	0.6	5.0	12.5

† 0.6 for rated volt 16V



Rated W.V. (VDC)	Capacitance (µF)	Size Code	Rated Ripple Current (mA RMS) 100kHz	Maximum ESR (mΩ) at 20°C 100 - 300kHz	Leakage Current (µA) at 20°C after 2 Min.	Dimensions — mm		Digi-Key Part No.	Price Each			United Chemi-Con Part No.
						ØD	L		1	10	100	
2.5	560	H08	6100	7	500	8.0	8.0	565-3217-ND	1.37	1.04	.75	APSC2R5ELL561MH08S
	820	F08	5000	7	500	6.3	8.0	565-3252-ND	1.28	.95	.65	APSE2R5ELL821MF08S
	820	H08	6100	7	500	8.0	8.0	565-3219-ND	1.46	1.10	.80	APSC2R5ELL821MH08S
	1000	H08	6100	7	500	8.0	8.0	565-3218-ND	1.50	1.14	.83	APSC2R5ELL102MH08S
	1500	JB5	6100	7	750	8.0	11.5	565-3221-ND	1.64	1.24	.90	APSC2R5ELL152MH08S
4.0	560	F08	5000	7	500	6.3	8.0	565-3253-ND	1.28	.95	.65	APSE4R0ELL561MF08S
	560	H08	6100	7	500	8.0	8.0	565-3223-ND	1.18	.87	.60	APSC4R0ELL561MH08S
	680	HB5	6100	7	544	8.0	11.5	565-3224-ND	1.36	1.03	.75	APSC4R0ELL681MH08S
	1000	JB5	6640	6	800	10.0	11.5	565-3225-ND	2.26	1.71	1.24	APSC4R0ELL102MJ08S
6.3	470	F08	4700	8	592	6.3	8.0	565-3254-ND	1.22	.91	.62	APSE6R3ELL471MF08S
	470	H08	5700	8	592	8.0	8.0	565-3226-ND	1.45	1.10	.80	APSC6R3ELL471MH08S
	560	F08	4700	8	706	6.3	8.0	565-3255-ND	1.22	.91	.62	APSE6R3ELL561MF08S
	560	H08	5700	8	706	8.0	8.0	565-3227-ND	1.46	1.10	.80	APSC6R3ELL561MH08S
	820	JB5	6640	7	1033	10.0	11.5	565-3228-ND	2.24	1.71	1.24	APSC6R3ELL821MJ08S
	1500	JB5	5560	10	1890	10.0	11.5	565-3229-ND	2.31	1.81	1.44	APSC6R3ELL152MJ08S
10	390	HB5	5650	9	780	8.0	11.5	565-3230-ND	1.62	1.23	.89	APSC100ELL391MH08S
	680	JB5	6100	7	1360	10.0	11.5	565-3231-ND	2.03	1.58	1.26	APSC100ELL681MJ08S
16	270	HB5	5080	11	864	8.0	11.5	565-3232-ND	1.86	1.41	1.03	APSC160ELL271MH08S
	330	JC5	6100	10	1056	10.0	12.5	565-3233-ND	2.20	1.72	1.36	APSC160ELL331MJ08S
470	JB5	6100	10	1504	10.0	11.5	565-3234-ND	2.41	1.88	1.49	APSC160ELL471MJ08S	

**NPCAP™ PXA Series Polymer Aluminum Electrolytic Capacitors (SMT)**



F

Ultra - Low ESR 105°C

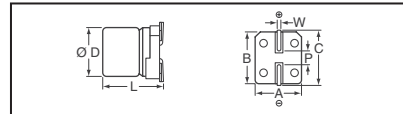
**Features:**

- Solid functional polymer aluminum • Ultra-low ESR • High temperature resistance • For Lead Free Soldering • 105°C Maximum temperature

**Specifications:**

- **Operating Temperature Range:** -55°C - 105°C • **Capacitance Tolerance:** ±20% • **Dissipation Factor:** 0.12 maximum @ 20°C, 120Hz • **Leakage Current:** I = 0.20CV maximum after 2 minutes @ 20°C

Size Code	ØD	L	A	B	C	W	P
F55	6.3	5.2	6.6	6.6	7.2	0.5 - 0.8	1.9
F60	6.3	5.7	6.6	6.6	7.2	0.5 - 0.8	1.9
H70	8.0	6.7	8.3	8.3	9.0	0.7 - 1.1	3.1
J80	10.0	7.7	10.3	10.3	11.0	0.7 - 1.1	4.5
HC0	8.0	12.0	8.3	8.3	9.0	0.7 - 1.1	3.1
JC0	10.0	12.2	10.3	10.3	11.0	0.7 - 1.1	4.5



Rated W.V. (VDC)	Cap. (µF)	Size Code	Rated Ripple Current (mA RMS) @ -55 - 105°C 100 - 300kHz	Maximum ESR mΩ @ 100kHz to 20°C	Dimensions mm		Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		United Chemi-Con Part No.
					ØD	L		5	10	25		Qty.	Pricing	
2.5	220	F55	2500	25	6.3	5.2	565-3087-1-ND	8.24	13.98	29.01	—	—	—	APXA2R5ARA221MF55G
	220	F60	2500	25	6.3	5.7	565-3088-1-ND	7.86	12.88	29.06	—	—	—	APXA2R5ARA221MF60G
	560	H70	3100	23	8.0	6.7	565-3089-1-ND	8.24	13.98	29.01	565-3089-2-ND	1,000	421.93	APXA2R5ARA561MH70G
4	150	F60	2450	26	6.3	5.7	565-3099-1-ND	8.24	13.98	29.01	565-3099-2-ND	1,000	421.93	APXA4R0ARA151MF60G
	330	H70	3020	25	8.0	6.7	565-3105-1-ND	8.24	13.98	29.01	565-3105-2-ND	1,000	421.93	APXA4R0ARA331MH70G
	560	HC0	4770	12	8.0	12.0	565-3107-1-ND	9.96	16.34	36.85	565-3107-2-ND	400	318.69	APXA4R0ARA561MH08G
	680	J80	4130	20	10.0	7.7	565-3108-1-ND	9.99	16.38	36.95	565-3108-2-ND	500	339.57	APXA4R0ARA681MJ80G
	1200	JC0	5500	10	10.0	12.2	565-3102-1-ND	11.59	19.23	45.95	565-3102-2-ND	400	407.21	APXA4R0ARA122MJ02G
6.3	68	F60	2400	27	6.3	5.7	565-3120-1-ND	12.96	21.25	47.96	565-3120-2-ND	1,000	777.66	APXA6R3ARA680MF60G
	82	F55	2400	27	6.3	5.2	565-3122-1-ND	14.46	24.00	57.35	565-3122-2-ND	1,000	988.17	APXA6R3ARA820MF55G
	82	F60	2400	27	6.3	5.7	565-3123-1-ND	11.64	19.30	46.13	—	—	—	APXA6R3ARA820MF60G
	100	F55	2400	27	6.3	5.2	565-3110-1-ND	8.24	13.98	29.01	565-3110-2-ND	1,000	421.93	APXA6R3ARA101MF55G
	100	F60	2400	27	6.3	5.7	565-3111-1-ND	15.67	25.98	62.09	565-3111-2-ND	1,000	1069.87	APXA6R3ARA101MF60G
	120	F60	2400	27	6.3	5.7	565-3112-1-ND	8.24	13.98	29.01	565-3112-2-ND	1,000	421.93	APXA6R3ARA121MF60G
	150	H70	3020	25	8.0	6.7	565-3113-1-ND	7.05	11.55	26.06	565-3113-2-ND	1,000	422.49	APXA6R3ARA151MH70G
	220	H70	3020	25	8.0	6.7	565-3114-1-ND	10.32	16.93	38.20	565-3114-2-ND	1,000	619.43	APXA6R3ARA221MH70G
	330	J80	4130	20	10.0	7.7	565-3115-1-ND	10.32	16.93	38.20	565-3115-2-ND	500	351.01	APXA6R3ARA331MJ80G
	390	HC0	4770	12	8.0	12.0	565-3116-1-ND	13.05	21.40	48.26	—	—	—	APXA6R3ARA391MH08G
	470	HC0	4770	12	8.0	12.0	565-3117-1-ND	11.68	19.38	46.32	565-3117-2-ND	400	410.44	APXA6R3ARA471MH08G
	470	J80	4130	20	10.0	7.7	565-3118-1-ND	12.96	21.25	47.96	565-3118-2-ND	500	440.67	APXA6R3ARA471MJ80G
680	JC0	5500	10	10.0	12.2	565-3119-1-ND	11.70	19.42	46.41	565-3119-2-ND	400	411.25	APXA6R3ARA681MJ08G	
820	JC0	5500	10	10.0	12.2	565-3121-1-ND	13.54	22.48	53.71	565-3121-2-ND	400	475.89	APXA6R3ARA821MJ08G	
10	47	F60	2250	31	6.3	5.7	565-3073-1-ND	14.90	24.72	59.08	565-3073-2-ND	1,000	1018.02	APXA100ARA470MF60G
	56	F60	2250	31	6.3	5.7	565-3076-1-ND	15.42	25.56	61.09	565-3076-2-ND	1,000	1052.59	APXA100ARA560MF60G
	120	H70	2800	27	8.0	6.7	565-3066-1-ND	10.41	17.07	38.51	565-3066-2-ND	1,000	624.48	APXA100ARA121MH70G
	150	H70	2800	27	8.0	6.7	565-3067-1-ND	11.94	19.81	47.32	565-3067-2-ND	1,000	815.36	APXA100ARA151MH70G
	270	HC0	4420	14	8.0	12.0	565-3068-1-ND	12.75	21.14	50.51	565-3068-2-ND	400	447.61	APXA100ARA271MH08G
	270	J80	3770	24	10.0	7.7	565-3069-1-ND	11.92	19.76	47.23	565-3069-2-ND	500	465.02	APXA100ARA271MJ80G
	330	HC0	4420	14	8.0	12.0	565-3070-1-ND	15.51	25.72	61.45	565-3070-2-ND	400	544.56	APXA100ARA331MH08G
16	330	J80	3770	24	10.0	7.7	565-3071-1-ND	16.10	26.71	63.83	565-3071-2-ND	500	628.41	APXA100ARA331MJ80G
	470	JC0	5300	12	10.0	12.2	565-3072-1-ND	22.30	37.27	80.27	565-3072-2-ND	400	665.96	APXA100ARA471MJ08G
	560	JC0	5300	12	10.0	12.2	565-3074-1-ND	20.70	33.96	76.61	565-3074-2-ND	400	662.52	APXA100ARA561MJ08G
	33	F60	2050	37	6.3	5.7	565-3082-1-ND	9.93	16.28	36.75	565-3082-2-ND	1,000	595.87	APXA160ARA330MF60G
	39	F55	2050	37	6.3	5.2	565-3083-1-ND	9.93	16.28	36.75	565-3083-2-ND	1,000	595.87	APXA160ARA390MF55G
	39	F60	2050	37	6.3	5.7	565-3084-1-ND	7.09	12.03	24.97	565-3084-2-ND	1,000	363.24	APXA160ARA390MF60G
	82	H70	2700	30	8.0	6.7	565-3085-1-ND	12.35	20.49	48.96	565-3085-2-ND	1,000	843.64	APXA160ARA820MH70G
	150	J80	3430	26	10.0	7.7	565-3077-1-ND	8.63	14.63	30.37	565-3077-2-ND	500	262.25	APXA160ARA151MJ80G
	180	HC0	4360	16	8.0	12.0	565-3078-1-ND	10.02	16.43	37.05	565-3078-2-ND	400	320.49	APXA160ARA181MH08G
	180	J80	3430	26	10.0	7.7	565-3079-1-ND	12.14	20.14	48.14	565-3079-2-ND	500	474.00	APXA160ARA181MJ80G
20	220	JC0	5050	14	10.0	12.2	565-3080-1-ND	15.51	25.72	61.45	565-3080-2-ND	400	544.56	APXA160ARA221MJ08G
	330	JC0	5050	14	10.0	12.2	565-30							