

# UNITED CHEMI-CON Decoupling & Polymer Aluminum Capacitors

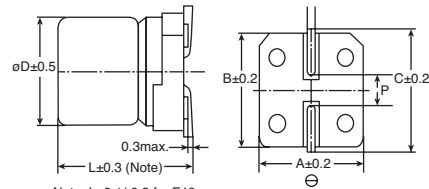


## UNITED CHEMI-CON PXX SERIES CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS

This product is RoHS compliant.

### Specifications:

- Super low ESR, impedance and high heat resistance have been obtained by using conductive polymer as electrolyte.
- Rated voltage range: 2.5 to 16VDC, Capacitance range: 100 to 580µF
- Suitable for DC-DC converters, voltage regulators and decoupling applications used to computer motherboards etc.



Note: L+0.1/-0.2 for F46

For quantities greater than listed, call for quote.

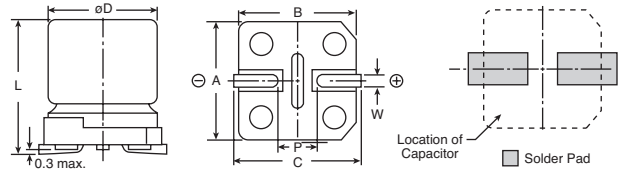
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm								Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple (mArms) 100k-300kHz -55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P	1			10	50	100	
<b>16 Volts</b>																	
661-APXK160A101MF61G	APXK160ARA101MF61G	100	F61	6.3	5.8	6.6	6.6	7.2	0.5-0.8	1.9	24	2490	.590	.500	.418	.376	
<b>2.5 Volts</b>																	
661-APXK2R5A561MF61G	APXK2R5ARA561MF61G	560	F61	6.3	5.8	6.6	6.6	7.2	0.5-0.8	1.9	16	3500	.580	.490	.416	.374	
<b>4 Volts</b>																	
661-APXK4R0A391MF61G	APXK4R0ARA391MF61G	390	F61	6.3	5.8	6.6	6.6	7.2	0.5-0.8	1.9	17	3390	.540	.450	.394	.354	
<b>6.3 Volts</b>																	
661-APXK6R3A151MF46G	APXK6R3ARA151MF46G	150	F46	6.3	4.5	6.6	6.6	7.2	0.5-0.8	1.9	19	2780	.620	.530	.433	.390	
661-APXK6R3A181ME61G	APXK6R3ARA181ME61G	180	E61	5	5.8	5.3	5.3	5.9	0.5-0.8	1.4	17	3390	.490	.410	.361	.323	
661-APXK6R3A221MF46G	APXK6R3ARA221MF46G	220	F46	6.3	4.5	6.6	6.6	7.2	0.5-0.8	1.9	18	3200	.620	.530	.433	.390	
661-APXK6R3A331MF61G	APXK6R3ARA331MF61G	330	F61	6.3	5.8	6.6	6.6	7.2	0.5-0.8	1.9	17	3390	.570	.480	.413	.371	

## UNITED CHEMI-CON UCC PXA NPCAP™ 105°C SMD SOLID POLYMER ALUMINUM SERIES

The PXA series are suitable for DC-DC converters, voltage regulators, and decoupling applications used in computer equipment.

### Specifications:

- Operating temperature: -55°C to +105°C
- Voltage range: 2.5VDC to 25VDC
- Capacitance range: 10µF to 1200µF
- Capacitance tolerance: ±20%
- Rated lifetime: 2000 hours @ 105°C
- High heat resistance to reflow soldering
- Solid polymer electrolyte
- Ultra low ESR
- Lead free design
- Solvent proof



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm								Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple (mArms) 100k-300kHz -55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P	1			10	50	100	
661-PXA2.5VC221MF	APXA2R5ARA221MF55G	220	F55	6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	25	2500	1.46	1.24	1.00	.846	
661-PXA2.5VC102M	APXA2R5ARA102MJ80G	1000	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	19	4240	2.53	2.34	2.18	2.04	

<b>4 Volts</b>																	
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm								Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple (mArms) 100k-300kHz -55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P	1			10	50	100	
661-PXA4VC101MF	APXA4R0ARA101MF55G	100	F55	6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	26	2450	1.46	1.24	1.00	.846	
661-PXA4VC221M	APXA4R0ARA221MH70G	220	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	25	3020	1.78	1.46	1.30	1.17	
661-PXA4VC331M	APXA4R0ARA331MH70G	330	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	25	3020	1.46	1.24	1.00	.846	
661-PXA4VC471M	APXA4R0ARA471MJ80G	470	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	20	4130	3.31	2.81	2.38	2.06	
661-PXA4VC681M	APXA4R0ARA681MJ80G	680	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	20	4130	1.80	1.53	1.30	1.12	
661-PXA4VC122M	APXA4R0ARA122MJCOG	1200	JCO	10	12.2	10.3	10.3	11	0.7-1.1	4.5	10	5500	2.06	1.71	1.57	1.51	

<b>6.3 Volts</b>																	
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm								Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple (mArms) 100k-300kHz -55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P	1			10	50	100	
661-PXA6.3VC68RM	APXA6R3ARA680MF60G	68	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	27	2400	1.46	1.24	1.02	.846	
661-PXA6.3VC82RM	APXA6R3ARA820MF60G	82	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	27	2400	1.46	1.24	1.02	.846	
661-PXA6.3VC101M	APXA6R3ARA101MF60G	100	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	27	2400	2.79	2.31	2.20	2.04	
661-PXA6.3VC121M	APXA6R3ARA121MF60G	120	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	27	2400	1.46	1.24	1.02	.846	
661-PXA6.3VC151M	APXA6R3ARA151MH70G	150	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	25	3020	1.25	1.02	0.90	.828	
661-PXA6.3VC221M	APXA6R3ARA221MH70G	220	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	25	3020	1.86	1.58	1.35	1.16	
661-PXA6.3VC331M	APXA6R3ARA331MJ80G	330	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	20	4130	1.84	1.50	1.35	1.21	
661-PXA6.3VC391M	APXA6R3ARA391MHCOG	390	HCO	8	12	8.3	8.3	9	0.7-1.1	3.1	12	4770	2.32	1.90	1.62	1.53	
661-PXA6.3VC471M	APXA6R3ARA471MJ80G	470	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	20	4130	1.84	1.50	1.35	1.21	
661-PXA6.3VC681M	APXA6R3ARA681MJCOG	680	JCO	10	12.2	10.3	10.3	11	0.7-1.1	4.5	10	5500	2.08	1.73	1.58	1.52	
661-PXA6.3VC821M	APXA6R3ARA821MJCOG	820	JCO	10	12.2	10.3	10.3	11	0.7-1.1	4.5	10	5500	2.41	2.00	1.76	1.76	

<b>10 Volts</b>																	
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm								Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple (mArms) 100k-300kHz -55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P	1			10	50	100	
661-PXA10VC47RM	APXA100ARA470MF60G	47	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	31	2250	1.46	1.24	1.02	.846	
661-PXA10VC56RM	APXA100ARA560MF55G	56	F55	6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	31	2250	1.46	1.24	1.02	.846	
661-PXA10VC121M	APXA100ARA121MH70G	120	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	27	2800	1.85	1.52	1.35	1.22	
661-PXA10VC151M	APXA100ARA151MH70G	150	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	27	2800	1.85	1.76	1.65	1.55	
661-PXA10VC271MH	APXA100ARA271MHCOG	270	HCO	8	12	8.3	8.3	9	0.7-1.1	3.1	14	4420	1.23	1.05	.878	.768	
661-PXA10VC271M	APXA100ARA271MJ80G	270	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	24	3770	2.12	1.76	1.65	1.55	
661-PXA10VC331MH	APXA100ARA331MHCOG	330	HCO	8	12	8.3	8.3	9	0.7-1.1	3.1	12	4420	1.23	1.05	.878	.768	
661-PXA10VC331M	APXA100ARA331MJ80G	330	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	24	3770	2.55	1.82	1.49	1.41	
661-PXA10VC471M	APXA100ARA471MJCOG	470	JCO	10	12.2	10.3	10.3	11	0.7-1.1	4.5	12	5300	3.97	3.32	2.64	2.43	
661-PXA10VC561M	APXA100ARA561MJCOG	560	JCO	10	12.2	10.3	10.3	11	0.7-1.1	4.5	12	5300	1.93	1.66	1.38	1.20	

<b>16 Volts</b>																	
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm								Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple (mArms) 100k-300kHz -55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P	1			10	50	100	
661-PXA16VC33RM	APXA160ARA330MF60G	33	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	37	2050	1.77	1.45	1.30	1.16	
661-PXA16VC39RM	APXA160ARA390MF60G	39	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	37	2050	1.77	1.45	1.30	1.16	
661-PXA16VC82RM	APXA160ARA820MH70G	82	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	30	2700	2.20	1.82	1.66	1.61	
661-PXA16VC151M	APXA160ARA151MJ80G	150	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	26	3430	1.94	1.64	1.34	1.33	
661-PXA16VC181M	APXA160ARA181MJ80G	180	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	26	3430	2.16	1.79	1.64	1.58	
661-PXA16VC221M	APXA160ARA221MJCOG	220	JCO	10	12.2	10.3	10.3	11	0.7-1.1	4.5	14	5050	1.83	1.57	1.31	1.14	
661-PXA16VC331M	APXA160ARA331MJCOG	330	JCO	10	12.2	10.3	10.3	11	0.7-1.1	4.5	14	5050	2.76	2.38	2.25	2.10	

<b>20 Volts</b>																	
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm								Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple (mArms) 100k-300kHz -55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P	1			10	50	100	
661-PXA20VC22RMF	APXA200ARA220MF55G	22	F55	6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	50	1650	1.29	1.10	.939	.812	
661-PXA20VC22RM	APXA200ARA220MF60G	22	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	50	1650	1.30	1.12	.933	.816	
661-PXA20VC39RM	APXA200ARA390MH70G	39	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	45	2000	1.80	1.52	1.30	1.12	
661-PXA20VC47RM	APXA200ARA470MH70G	47	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	45	2000	1.80	1.52	1.30	1.12	
661-PXA20VC82RM	APXA200ARA820MJ80G	82	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	40	2500	1.90	1.82	1.66	1.61	

<b>25 Volts</b>													
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm								Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple