

nichicon UD Series Aluminum Electrolytic Capacitors (SMT) (Cont.)



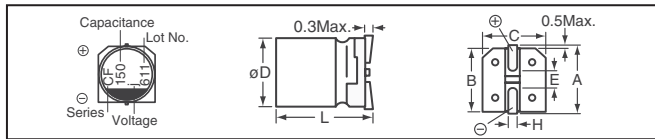
Rated Voltage (VDC)	Cap. (µF)	tan δ (Maximum) @120Hz/20°C	Impedance (Ω) Max. @20°C/100KHz	Leakage Current (µA)	Rated Ripple Current @100KHz/105°C (mA rms)	Size (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Nichicon Part No.
								1	10	100		Qty.	Pricing	
16	22	0.16	0.76	3.52	150	5.0 x 5.8	493-2256-1-ND	.59	4.73	28.50	493-2256-2-ND	1,000	108.30	UUD1C220MCL1GS
	47	0.16	0.44	7.52	230	6.3 x 5.8	493-2259-1-ND	.48	4.04	25.33	493-2259-2-ND	1,000	102.52	UUD1C470MCL1GS
	56	0.16	0.44	8.96	230	6.3 x 5.8	493-2260-1-ND	.48	4.04	25.33	493-2260-2-ND	1,000	102.52	UUD1C560MCL1GS
	68	0.16	0.44	10.88	230	6.3 x 5.8	493-2261-1-ND	.48	4.04	25.33	493-2261-2-ND	1,000	102.52	UUD1C680MCL1GS
	100	0.16	0.44	16	230	6.3 x 5.8	493-2262-1-ND	.48	4.04	25.33	493-2262-2-ND	1,000	102.52	UUD1C101MCL1GS
	150	0.16	0.34	24	280	6.3 x 7.7	493-2263-1-ND	.61	5.09	31.92	493-2263-2-ND	900	123.12	UUD1C151MCL1GS
	220	0.16	0.34	35.2	280	6.3 x 7.7	493-2264-1-ND	.61	5.09	31.92	493-2264-2-ND	900	123.12	UUD1C221MCL1GS
	330	0.2	0.17	52.8	450	8.0 x 10.0	493-2265-1-ND	.75	6.35	43.12	493-2265-2-ND	500	113.80	UUD1C331MNL1GS
	470	0.2	0.17	75.2	450	8.0 x 10.0	493-2266-1-ND	.75	6.35	43.12	493-2266-2-ND	500	113.80	UUD1C471MNL1GS
	680	0.2	0.09	108.8	670	10.0 x 10.0	493-2267-1-ND	.91	7.58	55.58	493-2267-2-ND	500	144.98	UUD1C681MNL1GS
25	22	0.14	0.76	5.5	150	5.0 x 5.8	493-2270-1-ND	.59	4.73	28.50	493-2270-2-ND	1,000	108.30	UUD1E220MCL1GS
	33	0.14	0.44	8.25	230	6.3 x 5.8	493-2272-1-ND	.48	4.04	25.33	493-2272-2-ND	1,000	102.52	UUD1E330MCL1GS
	47	0.14	0.44	11.75	230	6.3 x 5.8	493-2273-1-ND	.48	4.04	25.33	493-2273-2-ND	1,000	102.52	UUD1E470MCL1GS
	56	0.14	0.44	14	230	6.3 x 5.8	493-2274-1-ND	.48	4.04	25.33	493-2274-2-ND	1,000	102.52	UUD1E560MCL1GS
	68	0.14	0.44	17	230	6.3 x 5.8	493-2275-1-ND	.48	4.04	25.33	493-2275-2-ND	1,000	102.52	UUD1E680MCL1GS
	100	0.14	0.34	25	280	6.3 x 7.7	493-2276-1-ND	.61	5.09	31.92	493-2276-2-ND	900	123.12	UUD1E101MCL1GS
	150	0.16	0.17	37.5	450	8.0 x 10.0	493-2277-1-ND	.75	6.35	43.12	493-2277-2-ND	500	113.80	UUD1E151MNL1GS
	220	0.16	0.17	55	450	8.0 x 10.0	493-2278-1-ND	.75	6.35	43.12	493-2278-2-ND	500	113.80	UUD1E221MNL1GS
	330	0.16	0.17	82.5	450	8.0 x 10.0	493-2279-1-ND	.75	6.35	43.12	493-2279-2-ND	500	113.80	UUD1E331MNL1GS
	470	0.16	0.09	117.5	670	10.0 x 10.0	493-2280-1-ND	.91	7.58	55.58	493-2280-2-ND	500	144.98	UUD1E471MNL1GS
35	4.7	0.12	1.8	3	80	4.0 x 5.8	493-2281-1-ND	.53	4.18	25.20	493-2281-2-ND	2,000	90.87M	UUD1V47R7MCL1GS
	10	0.12	0.76	3.5	150	5.0 x 5.8	493-2282-1-ND	.59	4.73	28.50	493-2282-2-ND	1,000	108.30	UUD1V100MCL1GS
	15	0.12	0.76	5.25	150	5.0 x 5.8	493-2283-1-ND	.59	4.73	28.50	493-2283-2-ND	1,000	108.30	UUD1V150MCL1GS
	22	0.12	0.76	7.7	150	5.0 x 5.8	493-2284-1-ND	.59	4.73	28.50	493-2284-2-ND	1,000	108.30	UUD1V220MCL1GS
	27	0.12	0.44	9.45	230	6.3 x 5.8	493-2285-1-ND	.48	4.04	25.33	493-2285-2-ND	1,000	102.52	UUD1V270MCL1GS
	33	0.12	0.44	11.55	230	6.3 x 5.8	493-2286-1-ND	.48	4.04	25.33	493-2286-2-ND	1,000	102.52	UUD1V330MCL1GS
	47	0.12	0.44	16.45	230	6.3 x 5.8	493-2287-1-ND	.48	4.04	25.33	493-2287-2-ND	1,000	102.52	UUD1V470MCL1GS
	56	0.12	0.34	19.6	280	6.3 x 7.7	493-2288-1-ND	.61	5.09	31.92	493-2288-2-ND	900	123.12	UUD1V560MCL1GS
	68	0.12	0.34	23.8	280	6.3 x 7.7	493-2289-1-ND	.61	5.09	31.92	493-2289-2-ND	900	123.12	UUD1V680MCL1GS
	100	0.14	0.17	35	450	8.0 x 10.0	493-2290-1-ND	.75	6.35	43.12	493-2290-2-ND	500	113.80	UUD1V101MNL1GS
50	150	0.14	0.17	52.5	450	8.0 x 10.0	493-2291-1-ND	.75	6.35	43.12	493-2291-2-ND	500	113.80	UUD1V151MNL1GS
	220	0.14	0.17	77	450	8.0 x 10.0	493-2292-1-ND	.75	6.35	43.12	493-2292-2-ND	500	113.80	UUD1V221MNL1GS
	330	0.14	0.09	115.5	670	10.0 x 10.0	493-2293-1-ND	.91	7.58	55.58	493-2293-2-ND	500	144.98	UUD1V331MNL1GS
	1	0.12	5	3	30	4.0 x 5.8	493-2294-1-ND	.53	4.18	25.20	493-2294-2-ND	2,000	90.87M	UUD1H010MCL1GS
	2.2	0.12	5	3	30	4.0 x 5.8	493-2295-1-ND	.53	4.18	25.20	493-2295-2-ND	2,000	90.87M	UUD1H2R2MCL1GS
	4.7	0.12	1.52	3	85	5.0 x 5.8	493-2297-1-ND	.59	4.73	28.50	493-2297-2-ND	1,000	108.30	UUD1H47R7MCL1GS
	10	0.12	0.88	5	165	6.3 x 5.8	493-2298-1-ND	.48	4.04	25.33	493-2298-2-ND	1,000	102.52	UUD1H100MCL1GS
	15	0.12	0.88	7.5	165	6.3 x 5.8	493-2299-1-ND	.48	4.04	25.33	493-2299-2-ND	1,000	102.52	UUD1H150MCL1GS
	22	0.12	0.88	11	165	6.3 x 5.8	493-2300-1-ND	.48	4.04	25.33	493-2300-2-ND	1,000	102.52	UUD1H220MCL1GS
	33	0.12	0.68	13.5	185	6.3 x 7.7	493-2301-1-ND	.61	5.09	31.92	493-2301-2-ND	900	123.12	UUD1H270MCL1GS
63	33	0.12	0.68	16.5	185	6.3 x 7.7	493-2302-1-ND	.61	5.09	31.92	493-2302-2-ND	900	123.12	UUD1H330MCL1GS
	47	0.12	0.68	23.5	185	6.3 x 7.7	493-2303-1-ND	.61	5.09	31.92	493-2303-2-ND	900	123.12	UUD1H470MCL1GS
	56	0.14	0.34	28	300	8.0 x 10.0	493-2304-1-ND	.75	6.35	43.12	493-2304-2-ND	500	113.80	UUD1H560MNL1GS
	68	0.14	0.34	34	300	8.0 x 10.0	493-2305-1-ND	.75	6.35	43.12	493-2305-2-ND	500	113.80	UUD1H680MNL1GS
	100	0.14	0.34	50	300	8.0 x 10.0	493-2306-1-ND	.75	6.35	43.12	493-2306-2-ND	500	113.80	UUD1H101MNL1GS
	150	0.14	0.18	75	670	10.0 x 10.0	493-2307-1-ND	.91	7.58	55.58	493-2307-2-ND	500	144.98	UUD1H151MNL1GS
	220	0.14	0.18	110	670	10.0 x 10.0	493-2308-1-ND	.91	7.58	55.58	493-2308-2-ND	500	144.98	UUD1H221MNL1GS

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CF Series Aluminum Solid Electrolytic Capacitors



- FEATURES:**
 • Ultra Low ESR, High ripple Current • Load Life of 2,000 hours at 105°C • SMD Type: Lead Free reflow soldering condition at 260°C peak correspondence • Adapted to the RoHS Directive
 • Marking: Navy blue print on the case top



Size	Dimensions — mm						
	øD	L	A	B	C	E	H
6.3 x 6.0	6.3	6.0	7.3	6.6	6.6	2.1	0.5 - 0.8
8.0 x 7.0	8.0	7.0	9.0	8.3	8.3	3.2	0.8 - 1.1
10.0 x 8.0	10.0	8.0	11.0	10.3	10.3	4.6	0.8 - 1.1
10.0 x 10.0	10.0	10.0	11.0	10.3	10.3	4.6	0.8 - 1.1

SPECIFICATIONS:	
Temperature Range	-55°C - 105°C
Rated Voltage Range	2.5 - 16V
Rated Capacitance Range	33 - 1,500µF

Rated Voltage (VDC)	Cap. (µF)	tan δ	Leakage Current (µA)	Rated Ripple Current 100kHz/105°C (mA rms)	Size (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Nichicon Part No.
							1	10	100		Qty.	Pricing	
2.5	1,500	0.12	750	4,700	10.0 x 10.0	493-2978-1-ND	1.72	14.27	125.90	493-2978-2-ND	500	335.81	PCFOE152MCL1GS
4	680	0.12	544	4,400	10.0 x 8.0	493-2983-1-ND	1.73	14.16	113.95	493-2983-2-ND	500	293.68	PCFOG681MCL1GS
	120	0.12	151	3,000	6.3 x 6.0	493-2985-1-ND	1.16	9.67	70.97	493-2985-2-ND	1,000	318.87	PCFOJ121MCL1GS
	220	0.12	277	3,400	8.0 x 7.0	493-2987-1-ND	1.16	9.67	70.97	493-2987-2-ND	1,000	318.87	PCFOJ221MCL1GS
	330	0.12	416	4,200	10.0 x 8.0	493-2988-1-ND	1.59	13.00	104.68	493-2988-2-ND	500	269.72	PCFOJ331MCL1GS
	680	0.12	856	5,000	10.0 x 10.0	493-2989-1-ND	1.81	14.84	119.40	493-2989-2-ND	500	307.72	PCFOJ681MCL1GS
10	47	0.12	94	2,600	6.3 x 6.0	493-2990-1-ND	1.23	10.09	81.24	493-2990-2-ND	1,000	369.27	PCF1A470MCL1GS
	56	0.12	112	2,500	6.3 x 6.0	493-2991-1-ND	1.25	10.19	82.06	493-2991-2-ND	1,000	373.40	PCF1A560MCL1GS
	120	0.12	240	3,000	8.0 x 7.0	493-2992-1-ND	1.31	10.67	85.87	493-2992-2-ND	1,000	390.75	PCF1A121MCL1GS
	150	0.12	300	3,200	8.0 x 7.0	493-2994-1-ND	1.41	11.55	92.96	493-2994-2-ND	1,000	422.96	PCF1A151MCL6GS
	270	0.12	540	3,600	10.0 x 8.0	493-2995-1-ND	1.59	13.00	104.68	493-2995-2-ND	500	269.72	PCF1A271MCL1GS
	470	0.12	940	4,600	10.0 x 10.0	493-2996-1-ND	1.74	14.26	114.77	493-2996-2-ND	500	295.74	PCF1A471MCL1GS
16	560	0.12	1,120	4,800	10.0 x 10.0	493-2997-1-ND	1.84	15.08	121.31	493-2997-2-ND	500	312.68	PCF1A561MCL1GS
	33	0.12	106	2,400	6.3 x 6.0	493-2998-1-ND	1.26	10.29	82.87	493-2998-2-ND	1,000	376.70	PCF1C330MCL1GS
	39	0.12	124	2,400	6.3 x 6.0	493-2999-1-ND	1.26	10.37	83.42	493-2999-2-ND	1,000	379.18	