

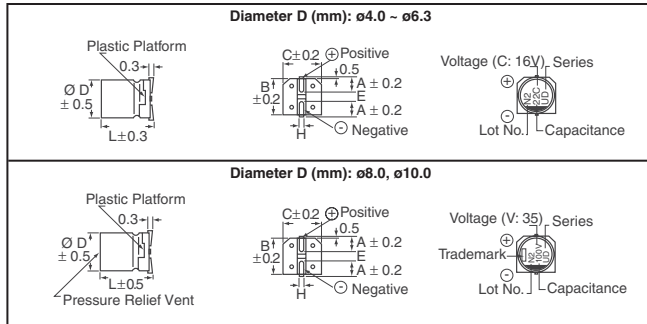
nichicon WT Series Aluminum Electrolytic Capacitors (SMT) (Cont.)



Rated Voltage (VDC)	Cap. (µF)	tan δ (Maximum) @120Hz/20°C	Leakage Current (µA)	Rated Ripple Current 120Hz/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	220	0.2	35.2	105	6.3 x 7.7	493-2179-1-ND	.57	4.53	27.26	493-2179-2-ND	900	98.14	UWT1C221MCL1GS
	330	0.2	52.8	195	8.0 x 10.0	493-2180-1-ND	.55	4.65	29.14	493-2180-2-ND	500	69.39	UWT1C331MNL1GS
	470	0.2	75.2	230	8.0 x 10.0	493-2181-1-ND	.55	4.65	29.14	493-2181-2-ND	500	69.39	UWT1C471MNL1GS
	220	0.2	108.8	310	10.0 x 10.0	493-2182-1-ND	.75	6.31	39.55	493-2182-2-ND	500	94.18	UWT1C681MNL1GS
25	4.7	0.16	3	10	3.0 x 5.4	493-2183-1-ND	.44	3.45	18.05	493-2183-2-ND	2,000	62.79/M	UWT1E47R7MCL2GB
	4.7	0.16	3	13	4.0 x 5.4	493-2184-1-ND	.44	3.45	18.05	493-2184-2-ND	2,000	62.79/M	UWT1E47R7MCL1GB
	10	0.16	3	23	5.0 x 5.4	493-2185-1-ND	.37	2.95	17.76	493-2185-2-ND	1,000	67.49	UWT1E100MCL1GB
	22	0.16	5.5	38	6.3 x 5.4	493-2186-1-ND	.44	3.43	20.65	493-2186-2-ND	1,000	78.48	UWT1E220MCL1GB
	33	0.16	8.25	48	6.3 x 5.4	493-2187-1-ND	.44	3.43	20.65	493-2187-2-ND	1,000	78.48	UWT1E330MCL1GB
	47	0.16	11.75	66	8.0 x 5.4	493-2189-1-ND	.44	3.43	20.65	493-2189-2-ND	1,000	78.48	UWT1E470MCL1GB
	100	0.16	25	91	6.3 x 7.7	493-2190-1-ND	.48	3.78	22.72	493-2190-2-ND	900	81.78	UWT1E101MCL1GS
	150	0.16	37.5	140	8.0 x 10.0	493-2191-1-ND	.55	4.65	29.14	493-2191-2-ND	500	69.39	UWT1E151MNL1GS
	220	0.16	55	155	8.0 x 10.0	493-2192-1-ND	.55	4.65	29.14	493-2192-2-ND	500	69.39	UWT1E221MNL1GS
	330	0.16	82.5	190	8.0 x 10.0	493-2193-1-ND	.55	4.65	29.14	493-2193-2-ND	500	69.39	UWT1E331MNL1GS
470	0.16	117.5	300	10.0 x 10.0	493-2194-1-ND	.75	6.31	39.55	493-2194-2-ND	500	94.18	UWT1E471MNL1GS	
35	2.2	0.14	3	7.5	3.0 x 5.4	493-2195-1-ND	.44	3.45	18.05	493-2195-2-ND	2,000	62.79/M	UWT1V2R2MCL2GB
	3.3	0.14	3	9	3.0 x 5.4	493-2196-1-ND	.44	3.45	18.05	493-2196-2-ND	2,000	62.79/M	UWT1V3R3MCL2GB
	4.7	0.14	3	15	4.0 x 5.4	493-2197-1-ND	.44	3.45	18.05	493-2197-2-ND	2,000	62.79/M	UWT1V4R7MCL1GB
	10	0.14	3.5	25	5.0 x 5.4	493-2198-1-ND	.37	2.95	17.76	493-2198-2-ND	1,000	67.49	UWT1V100MCL1GB
	22	0.14	7.7	42	6.3 x 5.4	493-2199-1-ND	.44	3.43	20.65	493-2199-2-ND	1,000	78.48	UWT1V220MCL1GB
	33	0.14	11.55	59	8.0 x 5.4	493-2201-1-ND	.44	3.43	20.65	493-2201-2-ND	1,000	78.48	UWT1V330MCL1GB
	47	0.14	16.45	63	6.3 x 5.8	493-2202-1-ND	.44	3.43	20.65	493-2202-2-ND	1,000	78.48	UWT1V470MCL1GS
	100	0.14	35	84	6.3 x 7.7	493-2203-1-ND	.48	3.78	22.72	493-2203-2-ND	900	81.78	UWT1V101MCL1GS
	150	0.14	52.5	155	8.0 x 10.0	493-2204-1-ND	.55	4.65	29.14	493-2204-2-ND	500	69.39	UWT1V151MNL1GS
	220	0.14	77	190	8.0 x 10.0	493-2205-1-ND	.55	4.65	29.14	493-2205-2-ND	500	69.39	UWT1V221MNL1GS
330	0.14	115.5	300	10.0 x 10.0	493-2206-1-ND	.75	6.31	39.55	493-2206-2-ND	500	94.18	UWT1V331MNL1GS	
50	0.1	0.14	3	1	4.0 x 5.4	493-2208-1-ND	.44	3.45	18.05	—	—	—	UWT1H0R1MCL1GB
	0.22	0.14	3	2.6	4.0 x 5.4	493-2210-1-ND	.44	3.45	18.05	493-2210-2-ND	2,000	62.79/M	UWT1HR22MCL1GB
	0.47	0.14	3	3.8	4.0 x 5.4	493-2214-1-ND	.44	3.45	18.05	493-2214-2-ND	2,000	62.79/M	UWT1HR47MCL1GB
	1	0.14	3	5.9	3.0 x 5.4	493-2215-1-ND	.44	3.45	18.05	493-2215-2-ND	2,000	62.79/M	UWT1H010MCL2GB
	1	0.14	3	6.3	4.0 x 5.4	493-2216-1-ND	.44	3.45	18.05	493-2216-2-ND	2,000	62.79/M	UWT1H010MCL1GB
	2.2	0.14	3	9	3.0 x 5.4	493-2217-1-ND	.44	3.45	18.05	493-2217-2-ND	2,000	62.79/M	UWT1H2R2MCL2GB
	2.2	0.14	3	11	4.0 x 5.4	493-2218-1-ND	.44	3.45	18.05	493-2218-2-ND	2,000	62.79/M	UWT1H2R2MCL1GB
	3.3	0.14	3	14	4.0 x 5.4	493-2219-1-ND	.44	3.45	18.05	493-2219-2-ND	2,000	62.79/M	UWT1H3R3MCL1GB
	4.7	0.14	3	19	5.0 x 5.4	493-2220-1-ND	.37	2.95	17.76	493-2220-2-ND	1,000	67.49	UWT1H4R7MCL1GB
	10	0.14	5	30	6.3 x 5.4	493-2221-1-ND	.44	3.43	20.65	493-2221-2-ND	1,000	78.48	UWT1H100MCL1GB
22	0.14	11	51	8.0 x 5.4	493-2223-1-ND	.48	3.78	22.72	493-2223-2-ND	1,000	86.33	UWT1H220MCL1GB	
33	0.14	16.5	60	6.3 x 7.7	493-2224-1-ND	.48	3.78	22.72	493-2224-2-ND	900	81.78	UWT1H330MCL1GS	
47	0.14	23.5	63	6.3 x 7.7	493-2225-1-ND	.57	4.53	27.26	493-2225-2-ND	900	98.14	UWT1H470MCL1GS	
100	0.14	50	140	8.0 x 10.0	493-2226-1-ND	.55	4.65	29.14	493-2226-2-ND	500	69.39	UWT1H101MNL1GS	
150	0.14	75	180	10.0 x 10.0	493-2227-1-ND	.75	6.31	39.55	493-2227-2-ND	500	94.18	UWT1H151MNL1GS	
220	0.14	110	220	10.0 x 10.0	493-2228-1-ND	.75	6.31	39.55	493-2228-2-ND	500	94.18	UWT1H221MNL1GS	



UD Series Aluminum Electrolytic Capacitors (SMT) Low Impedance 105°C



FEATURES:
 • Chip type, low impedance temperature range up to 105°C • Designed for surface mounting on high density PC board
 • Applicable to automatic mounting machine using carrier tape • **Marking:** Black print on the case top

Size	Dimensions — mm						
	øD	L	A	B	C	E	H
4.0 x 5.8	4.0	5.8	1.8	4.3	4.3	1.0	0.5 - 0.8
5.0 x 5.8	5.0	5.8	2.1	5.3	5.3	1.3	0.5 - 0.8
6.3 x 5.8	6.3	5.8	2.4	6.6	6.6	2.2	0.5 - 0.8
6.3 x 7.7	6.3	7.7	2.4	6.6	6.6	2.2	0.5 - 0.8
8.0 x 10.0	8.0	10.0	2.9	8.3	8.3	3.1	0.8 - 1.1
10.0 x 10.0	10.0	10.0	3.2	10.3	10.3	4.5	0.8 - 1.1

SPECIFICATIONS:

Temperature Range	-55°C ~ 105°C
Capacitance Tolerance	±20% @ 120Hz, 20°C
Leakage Current	After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.

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	
6.3	47	0.24	0.76	3	150	5.0 x 5.8	493-2231-1-ND	.59	4.73	28.50	493-2231-2-ND	1,000	108.30	UUD0J470MCL1GS
	68	0.24	0.44	4.284	230	6.3 x 5.8	493-2233-1-ND	.48	4.04	25.33	493-2233-2-ND	1,000	102.52	UUD0J680MCL1GS
	100	0.24	0.44	6.3	230	6.3 x 5.8	493-2234-1-ND	.48	4.04	25.33	493-2234-2-ND	1,000	102.52	UUD0J101MCL1GS
	150	0.24	0.44	9.45	230	6.3 x 5.8	493-2235-1-ND	.48	4.04	25.33	493-2235-2-ND	1,000	102.52	UUD0J151MCL1GS
	220	0.24	0.44	13.86	230	6.3 x 5.8	493-2236-1-ND	.48	4.04	25.33	493-2236-2-ND	1,000	102.52	UUD0J221MCL1GS
	330	0.24	0.34	20.79	280	6.3 x 7.7	493-2237-1-ND	.61	5.09	31.92	493-2237-2-ND	900	123.12	UUD0J331MCL1GS
	470	0.28	0.17	29.61	450	8.0 x 10.0	493-2238-1-ND	.75	6.35	43.12	—	—	—	UUD0J471MNL1GS
	680	0.28	0.17	42.84	450	8.0 x 10.0	493-2239-1-ND	.75	6.35	43.12	493-2239-2-ND	500	113.80	UUD0J681MNL1GS
	1,000	0.28	0.17	63	450	8.0 x 10.0	493-2240-1-ND	.75	6.35	43.12	493-2240-2-ND	500	113.80	UUD0J102MNL1GS
	1,500	0.28	0.09	94.5	670	10.0 x 10.0	493-2241-1-ND	.91	7.58	55.58	493-2241-2-ND	500	144.98	UUD0J152MNL1GS
10	22	0.2	1.8	3	80	4.0 x 5.8	493-2242-1-ND	.53	4.18	25.20	493-2242-2-ND	2,000	90.87/M	UUD1A220MCL1GS
	33	0.2	0.76	3.3	150	5.0 x 5.8	493-2244-1-ND	.59	4.73	28.50	493-2244-2-ND	1,000	108.30	UUD1A330MCL1GS
	47	0.2	0.44	4.7	230	6.3 x 5.8	493-2245-1-ND	.48	4.04	25.33	493-2245-2-ND	1,000	102.52	UUD1A470MCL1GS
	68	0.2	0.44	6.8	230	6.3 x 5.8	493-2247-1-ND	.48	4.04	25.33	493-2247-2-ND	1,000	102.52	UUD1A680MCL1GS
	100	0.2	0.44	10	230	6.3 x 5.8	493-2248-1-ND	.48	4.04	25.33	493-2248-2-ND	1,000	102.52	UUD1A101MCL1GS
	150	0.2	0.44	15	230	6.3 x 5.8	493-2249-1-ND	.48	4.04	25.33	493-2249-2-ND	1,000	102.44	UUD1A151MCL1GS
	220	0.2	0.34	22	280	6.3 x 7.7	493-2250-1-ND	.61	5.09	31.92	493-2250-2-ND	900	123.12	UUD1A221MCL1GS
	330	0.24	0.17	33	450	8.0 x 10.0	493-2251-1-ND	.75	6.35	43.12	493-2251-2-ND	500	113.80	UUD1A331MNL1GS
	470	0.24	0.17	47	450	8.0 x 10.0	493-2252-1-ND	.75	6.35	43.12	493-2252-2-ND	500	113.80	UUD1A471MNL1GS
	680	0.24	0.09	68	670	10.0 x 10.0	493-2253-1-ND	.91	7.58	55.58	493-2253-2-ND	500	144.98	UUD1A681MNL1GS
1,000	0.24	0.09	100	670										