

NICHICON Aluminum Electrolytic Capacitors

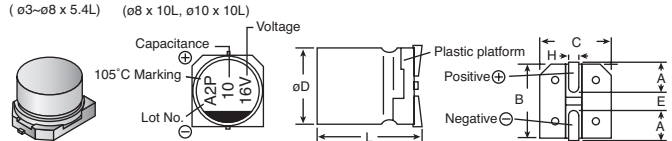


RoHS Compliant This product is RoHS compliant.

nichicon UWT 105°C SMD SERIES

Specifications:

- Operating temperature range: -55°C ~ +105°C
- Voltage range: 4V ~ 50V
- Capacitance range: 0.1µF ~ 1500µF
- Capacitance tolerance: ±20% at 120Hz/20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3µA), whichever is greater
- Endurance: 1000 hours @ 105°C



	3 x 5.4	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 5.8	6.3 x 7.7	8 x 5.4	8 x 10	10 x 10
A	1.5	1.8	2.1	2.4	2.4	2.4	3.3	2.9	3.2
B	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
C	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
E	0.8	1.0	1.3	2.2	2.2	2.2	2.3	3.1	4.5
L	5.4	5.4	5.4	5.4	5.8	7.7	5.4	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 1.1	0.5 ~ 1.1

Application note:

- A higher voltage capacitor may be used in a lower voltage application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price per Piece
				1	100		
4.0 Volt							
647-UWT0G330MCL1B	UWT0G330MCL1GB	33	5 x 5.4	.52	.239	1000	.121
647-UWT0G470MCL1B	UWT0G470MCL1GB	47	5 x 5.4	.52	.239	1000	.121
647-UWT0G101MCL1Bt	UWT0G101MCL1GB	100	6.3 x 5.4	.60	.272	1000	.138
647-UWT0G221MCL1B	UWT0G221MCL1GB	220	8 x 5.4	.68	.314	1000	.159
6.3 Volt							
647-UWT0J220MCL1B	UWT0J220MCL1GB	22	4 x 5.4	.37	.166	2000	.091
647-UWT0J330MCL1B	UWT0J330MCL1GB	33	5 x 5.4	.52	.239	1000	.121
647-UWT0J470MCL1B	UWT0J470MCL1GB	47	5 x 5.4	.52	.239	1000	.121
647-UWT0J101MCL1B	UWT0J101MCL1GB	100	6.3 x 5.4	.61	.276	1000	.14
647-UWT0J221MCL1B	UWT0J221MCL1GB	220	8 x 5.4	.66	.30	1000	.152
647-UWT0J331MCL1S	UWT0J331MCL1GS	330	6.3 x 7.7	.66	.30	900	.16
647-UWT0J471MNL1S	UWT0J471MNL1GS	470	8 x 10	.80	.395	500	.24
647-UWT0J681MNL1S	UWT0J681MNL1GS	680	8 x 10	.76	.376	500	.228
647-UWT0J102MNL1S	UWT0J102MNL1GS	1000	8 x 10	.89	.44	500	.266
647-UWT0J152MNL1S	UWT0J152MNL1GS	1500	10 x 10	.91	.534	500	.328
10 Volt							
647-UWT1A220MCL1B	UWT1A220MCL1GB	22	5 x 5.4	.45	.206	1000	.104
647-UWT1A470MCL1B	UWT1A470MCL1GB	47	6.3 x 5.4	.57	.258	1000	.131
647-UWT1A101MCL1B	UWT1A101MCL1GB	100	6.3 x 5.4	.61	.276	1000	.14
16 Volt							
647-UWT1C100MCL2B	UWT1C100MCL2GB	10	3 x 5.4	.33	.151	2000	.072
25 Volt							
647-UWT1E47MCL1B	UWT1E47MCL1GB	47	4 x 5.4	.45	.206	2000	.098
647-UWT1E100MCL1B	UWT1E100MCL1GB	10	5 x 5.4	.51	.234	1000	.119
647-UWT1E220MCL1B	UWT1E220MCL1GB	22	6.3 x 5.4	.61	.276	1000	.14
647-UWT1E470MCL1B	UWT1E470MCL1GB	47	8 x 5.4	.52	.238	1000	.121
647-UWT1E470MCL6S	UWT1E470MCL6GS	47	6.3 x 5.8	.52	.238	1000	.121
647-UWT1E331MNL1S	UWT1E331MNL1GS	330	8 x 10	.76	.376	500	.228
647-UWT1E471MNL1S	UWT1E471MNL1GS	470	10 x 10	.94	.55	500	.339

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price per Piece
				1	100		
35 Volt							
647-UWT1V2R2MCL2B	UWT1V2R2MCL2GB	2.2	3 x 5.4	.60	.272	2000	.13
647-UWT1V3R3MCL2B	UWT1V3R3MCL2GB	3.3	3 x 5.4	.39	.179	2000	.098
647-UWT1V4R7MCL1B	UWT1V4R7MCL1GB	4.7	4 x 5.4	.39	.179	2000	.098
647-UWT1V100MCL1B	UWT1V100MCL1GB	10	5 x 5.4	.37	.172	1000	.087
647-UWT1V220MCL1B	UWT1V220MCL1GB	22	6.3 x 5.4	.61	.276	1000	.14
647-UWT1V330MCL1B	UWT1V330MCL1GB	33	8 x 5.4	.67	.412	1000	.156
647-UWT1V470MCL1S	UWT1V470MCL1GS	47	6.3 x 5.8	.61	.276	1000	.14
647-UWT1V101MCL1S	UWT1V101MCL1GS	100	6.3 x 7.7	.67	.304	900	.163
647-UWT1V221MNL1S	UWT1V221MNL1GS	220	8 x 10	.81	.40	500	.242
647-UWT1V331MNL1S	UWT1V331MNL1GS	330	10 x 10	.88	.518	500	.319
50 Volt							
647-UWT1H0R1MCL2B	UWT1H0R1MCL2GB	0.10	3 x 5.4	.39	.179	2000	.098
647-UWT1H0R1MCL1B	UWT1H0R1MCL1GB	0.10	4 x 5.4	.39	.179	2000	.098
647-UWT1HR2MCL1B	UWT1HR2MCL1GB	0.22	4 x 5.4	.39	.179	2000	.098
647-UWT1HR33MCL2B	UWT1HR33MCL2GB	0.33	3 x 5.4	.39	.179	2000	.098
647-UWT1HR33MCL1B	UWT1HR33MCL1GB	0.33	4 x 5.4	.39	.179	2000	.098
647-UWT1HR47MCL2B	UWT1HR47MCL2GB	0.47	3 x 5.4	.39	.179	2000	.098
647-UWT1HR47MCL1B	UWT1HR47MCL1GB	0.47	4 x 5.4	.37	.166	2000	.091
647-UWT1H010MCL2B	UWT1H010MCL2GB	1.0	3 x 5.4	.39	.179	2000	.098
647-UWT1H010MCL1B	UWT1H010MCL1GB	1.0	4 x 5.4	.39	.179	2000	.098
647-UWT1H2R2MCL2B	UWT1H2R2MCL2GB	2.2	3 x 5.4	.39	.179	2000	.098
647-UWT1H3R3MCL1B	UWT1H3R3MCL1GB	3.3	4 x 5.4	.43	.201	2000	.096
647-UWT1H4R7MCL1B	UWT1H4R7MCL1GB	4.7	5 x 5.4	.51	.234	1000	.119
647-UWT1H100MCL1B	UWT1H100MCL1GB	10	6.3 x 5.4	.61	.276	1000	.14
647-UWT1H220MCL1B	UWT1H220MCL1GB	22	8 x 5.4	.66	.30	1000	.152
647-UWT1H330MCL1S	UWT1H330MCL1GS	33	6.3 x 7.7	.66	.30	900	.16
647-UWT1H470MCL1S	UWT1H470MCL1GS	47	6.3 x 7.7	.63	.317	900	.173
647-UWT1H101MNL1S	UWT1H101MNL1GS	100	8 x 10	.80	.395	500	.24
647-UWT1H221MNL1S	UWT1H221MNL1GS	220	10 x 10	.89	.521	500	.321

nichicon UUD 105°C LOW IMPEDANCE SMD SERIES

Specifications:

- Operating temperature range: -55°C ~ +105°C
- Voltage range: 6.3V ~ 50V
- Capacitance range: 0.1µF ~ 1500µF
- Endurance: 5000 hours (2000 hrs for øD≤6-3A) @ 105°C
- Capacitance tolerance: ±20% at 120Hz/20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3µA), whichever is greater

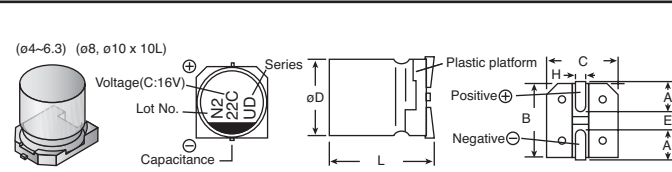


Application note:

- A higher voltage capacitor may be used in a lower voltage application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price per Piece
				1	100		
6.3 Volt							
647-UUD0J470MCL	UUD0J470MCL1GS	47	5 x 5.8	.97	.40	1000	.206
647-UUD0J101MCL	UUD0J101MCL1GS	100	6.3 x 5.8	.86	.423	1000	.218
647-UUD0J221MCL	UUD0J221MCL1GS	220	6.3 x 5.8	.86	.423	1000	.218
647-UUD0J331MCL	UUD0J331MCL1GS	330	6.3 x 7.7	.93	.487	900	.265
647-UUD0J102MNL	UUD0J102MNL1GS	1000	8 x 10	1.18	.766	500	.459
647-UUD0J152MNL	UUD0J152MNL1GS	1500	10 x 10	1.40	.993	500	.583
10 Volt							
647-UUD1A220MCL	UUD1A220MCL1GS	22	4 x 5.8	.72	.437	2000	.143
647-UUD1A330MCL	UUD1A330MCL1GS	33	5 x 5.8	.81	.40	1000	.206
647-UUD1A680MCL	UUD1A680MCL1GS	68	6.3 x 5.8	.81	.405	1000	.209
647-UUD1A101MCL	UUD1A101MCL1GS	100	6.3 x 5.8	.77	.382	1000	.197
647-UUD1A471MNL	UUD1A471MNL1GS	470	8 x 10	1.22	.787	500	.473
647-UUD1A102MNL	UUD1A102MNL1GS	1000	10 x 10	1.38	.988	500	.579
16 Volt							
647-UUD1C470MCL	UUD1C470MCL1GS	47	6.3 x 5.8	.86	.423	1000	.218
647-UUD1C680MCL	UUD1C680MCL1GS	68	6.3 x 5.8	.81	.405	1000	.209
647-UUD1C101MCL	UUD1C101MCL1GS	100	6.3 x 5.8	.73	.366	1000	.188
647-UUD1C221MCL	UUD1C221MCL1GS	220	6.3 x 7.7	.93	.435	900	.261
647-UUD1C331MNL	UUD1C331MNL1GS	330	8 x 10	1.20	.773	500	.463
647-UUD1C471MNL	UUD1C471MNL1GS	470	8 x 10	1.19	.765	500	.459
647-UUD1C681MNL	UUD1C681MNL1GS	680	10 x 10	1.40	.993	500	.583
25 Volt							
647-UUD1E100MCL	UUD1E100MCL1GS	10	4 x 5.8	.72	.437	2000	.157
647-UUD1E220MCL	UUD1E220MCL1GS	22	5 x 5.8	.81	.412	1000	.212
647-UUD1E470MCL	UUD1E470MCL1GS	47	6.3 x 5.8	.82	.408	1000	.21
647-UUD1E680MCL	UUD1E680MCL1GS	68	6.3 x 5.8	.86	.423	1000	.218
647-UUD1E101MCL	UUD1E101MCL1GS	100	6.3 x 7.7	1.04	.516	900	.282



	4 x 5.8	5 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 10	10 x 10
A	1.8	2.1	2.4	2.4	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	5.8	5.8	5.8	7.7	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.8 ~ 1.1	0.8 ~ 1.1

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price per Piece
				1	100		
25 Volt (Cont.)							
647-UUD1E221MNL	UUD1E221MNL1GS	220	8 x 10	1.09	.639	500	.391
647-UUD1E331MNL	UUD1E331MNL1GS	330	8 x 10	1.18	.766	500	.459
647-UUD1E471MNL	UUD1E471MNL1GS	470	10 x 10	1.40	.99	500	.584
35 Volt							
647-UUD1V4R7MCL	UUD1V4R7MCL1GS	4.7	4 x 5.8	.66	.33	2000	.16
647-UUD1V100MCL	UUD1V100MCL1GS	10	5 x 5.8	.75	.371	1000	.191
647-UUD1V220MCL	UUD1V220MCL1GS	22	5 x 5.8	.75	.371	1000	.191
647-UUD1V330MCL	UUD1V330MCL1GS	33	6.3 x 5.8	.86	.423	1000	.218
647-UUD1V470MCL	UUD1V470MCL1GS	47	6.3 x 5.8	.73	.363	1000	.218
647-UUD1V680MCL	UUD1V680MCL1GS	68	6.3 x 7.7	.73	.363	900	.231
647-UUD1V101MNL	UUD1V101MNL1GS	100	8 x 10	1.19	.768	500	.461
647-UUD1V221MNL	UUD1V221MNL1GS	220	8 x 10	1.18	.766	500	.459
647-UUD1V331MNL	UUD1V331MNL1GS	330	10 x 10	1.38	.985	500	.577
50 Volt							
647-UUD1H010MCL	UUD1H010MCL1GS	1.0	4 x 5.8	.71	.355	2000	.173
647-UUD1H2R2MCL	UUD1H2R2MCL1GS	2.2	4 x 5.8	.71	.355	2000	.173
647-UUD1H3R3MCL	UUD1H3R3MCL1GS	3.3	4 x 5.8	.71	.355	2000	.173
647-UUD1H100MCL	UUD1H100MCL1GS	10	6.3 x 5.8	.73	.366	1000	.188
647-UUD1H220MCL	UUD1H220MCL1GS	22	6.3 x 5.8	.86	.423	1000	.218
647-UUD1H330MCL	UUD1H330MCL1GS	33	6.3 x 7.7	.93	.42	900	.252
647-UUD1H470MCL	UUD1H470MCL1GS	47	6.3 x 7.7	1.07	.525	900	.29