

# NICHICON Aluminum Electrolytic Capacitors

nichicon



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



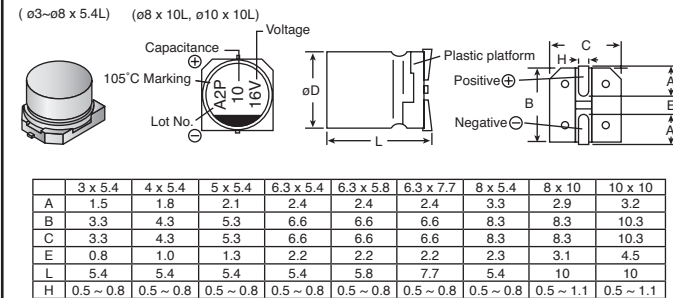
RoHS Compliant

### 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 1 100	Reel Qty.	Price per Piece
<b>4.0 Volt</b>						
647-UWT0G330MCL1B	UWT0G330MCL1GB	33	5 x 5.4		1000	
647-UWT0G470MCL1B	UWT0G470MCL1GB	47	5 x 5.4		1000	
647-UWT0G101MCL1B	UWT0G101MCL1GB	100	6.3 x 5.4		1000	
647-UWT0G221MCL1B	UWT0G221MCL1GB	220	8 x 5.4		1000	
<b>6.3 Volt</b>						
647-UWT0J220MCL1B	UWT0J220MCL1GB	22	4 x 5.4		2000	
647-UWT0J330MCL1B	UWT0J330MCL1GB	33	5 x 5.4		1000	
647-UWT0J470MCL1B	UWT0J470MCL1GB	47	5 x 5.4		1000	
647-UWT0J101MCL1B	UWT0J101MCL1GB	100	6.3 x 5.4		1000	
647-UWT0J221MCL1B	UWT0J221MCL1GB	220	8 x 5.4		1000	
647-UWT0J331MCL1S	UWT0J331MCL1GS	330	6.3 x 7.7		900	
647-UWT0J471MNL1S	UWT0J471MNL1GS	470	8 x 10		500	
647-UWT0J102MNL1S	UWT0J102MNL1GS	1000	8 x 10		500	
647-UWT0J152MNL1S	UWT0J152MNL1GS	1500	10 x 10		500	
<b>10 Volt</b>						
647-UWT1A220MCL1B	UWT1A220MCL1GB	22	5 x 5.4		1000	
647-UWT1A470MCL1B	UWT1A470MCL1GB	47	6.3 x 5.4		1000	
647-UWT1A101MCL1B	UWT1A101MCL1GB	100	6.3 x 5.4		1000	
<b>16 Volt</b>						
647-UWT1C100MCL2B	UWT1C100MCL2GB	10	3 x 5.4		2000	
<b>25 Volt</b>						
647-UWT1E47MCL1B	UWT1E47MCL1GB	47	4 x 5.4		2000	
647-UWT1E100MCL1B	UWT1E100MCL1GB	10	5 x 5.4		1000	
647-UWT1E220MCL1B	UWT1E220MCL1GB	22	6.3 x 5.4		1000	
647-UWT1E470MCL1B	UWT1E470MCL1GB	47	8 x 5.4		1000	
647-UWT1E470MCL6S	UWT1E470MCL6GS	47	6.3 x 5.8		1000	
647-UWT1E331MNL1S	UWT1E331MNL1GS	330	8 x 10		500	
647-UWT1E471MNL1S	UWT1E471MNL1GS	470	10 x 10		500	



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each 1 100	Reel Qty.	Price per Piece
<b>35 Volt</b>						
647-UWT1V2R2MCL2B	UWT1V2R2MCL2GB	2.2	3 x 5.4		2000	
647-UWT1V3R3MCL2B	UWT1V3R3MCL2GB	3.3	3 x 5.4		2000	
647-UWT1V4R7MCL1B	UWT1V4R7MCL1GB	4.7	4 x 5.4		2000	
647-UWT1V100MCL1B	UWT1V100MCL1GB	10	5 x 5.4		1000	
647-UWT1V220MCL1B	UWT1V220MCL1GB	22	6.3 x 5.4		1000	
647-UWT1V330MCL1B	UWT1V330MCL1GB	33	8 x 5.4		1000	
647-UWT1V470MCL1S	UWT1V470MCL1GS	47	6.3 x 5.8		1000	
647-UWT1V101MCL1S	UWT1V101MCL1GS	100	6.3 x 7.7		900	
647-UWT1V221MNL1S	UWT1V221MNL1GS	220	8 x 10		500	
647-UWT1V331MNL1S	UWT1V331MNL1GS	330	10 x 10		500	
<b>50 Volt</b>						
647-UWT1H0R1MCL2B	UWT1H0R1MCL2GB	0.10	3 x 5.4		2000	
647-UWT1H0R1MCL1B	UWT1H0R1MCL1GB	0.10	4 x 5.4		2000	
647-UWT1HR22MCL1B	UWT1HR22MCL1GB	0.22	4 x 5.4		2000	
647-UWT1HR33MCL2B	UWT1HR33MCL2GB	0.33	3 x 5.4		2000	
647-UWT1HR33MCL1B	UWT1HR33MCL1GB	0.33	4 x 5.4		2000	
647-UWT1HR47MCL1B	UWT1HR47MCL1GB	0.47	4 x 5.4		2000	
647-UWT1H010MCL2B	UWT1H010MCL2GB	1.0	3 x 5.4		2000	
647-UWT1H010MCL1B	UWT1H010MCL1GB	1.0	4 x 5.4		2000	
647-UWT1H2R2MCL2B	UWT1H2R2MCL2GB	2.2	3 x 5.4		2000	
647-UWT1H3R3MCL1B	UWT1H3R3MCL1GB	3.3	4 x 5.4		2000	
647-UWT1H4R7MCL1B	UWT1H4R7MCL1GB	4.7	5 x 5.4		1000	
647-UWT1H100MCL1B	UWT1H100MCL1GB	10	6.3 x 5.4		1000	
647-UWT1H220MCL1B	UWT1H220MCL1GB	22	8 x 5.4		1000	
647-UWT1H330MCL1S	UWT1H330MCL1GS	33	6.3 x 7.7		900	
647-UWT1H470MCL1S	UWT1H470MCL1GS	47	6.3 x 7.7		900	
647-UWT1H101MNL1S	UWT1H101MNL1GS	100	8 x 10		500	
647-UWT1H221MNL1S	UWT1H221MNL1GS	220	10 x 10		500	

## 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
- 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: 5000 hours (2000 hrs for øD≤6.3A) @ 105°C



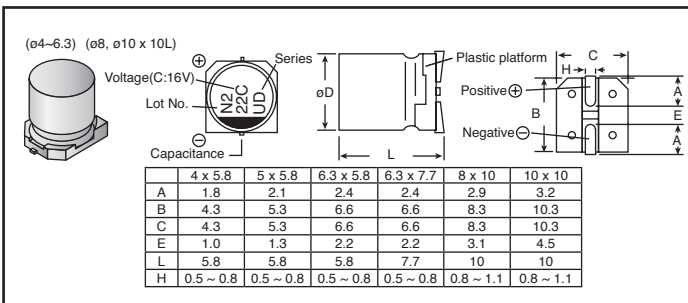
RoHS Compliant

### 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 1 100	Reel Qty.	Price per Piece
<b>6.3 Volt</b>						
647-UUD0J470MCL	UUD0J470MCL1GS	47	5 x 5.8		1000	
647-UUD0J101MCL	UUD0J101MCL1GS	100	6.3 x 5.8		1000	
647-UUD0J221MCL	UUD0J221MCL1GS	220	6.3 x 5.8		1000	
647-UUD0J331MCL	UUD0J331MCL1GS	330	6.3 x 7.7		900	
647-UUD0J102MNL	UUD0J102MNL1GS	1000	8 x 10		500	
647-UUD0J152MNL	UUD0J152MNL1GS	1500	10 x 10		500	
<b>10 Volt</b>						
647-UUD1A220MCL	UUD1A220MCL1GS	22	4 x 5.8		2000	
647-UUD1A330MCL	UUD1A330MCL1GS	33	5 x 5.8		1000	
647-UUD1A680MCL	UUD1A680MCL1GS	68	6.3 x 5.8		1000	
647-UUD1A101MCL	UUD1A101MCL1GS	100	6.3 x 5.8		1000	
647-UUD1A471MNL	UUD1A471MNL1GS	470	8 x 10		500	
647-UUD1A102MNL	UUD1A102MNL1GS	1000	10 x 10		500	
<b>16 Volt</b>						
647-UUD1C470MCL	UUD1C470MCL1GS	47	6.3 x 5.8		1000	
647-UUD1C680MCL	UUD1C680MCL1GS	68	6.3 x 5.8		1000	
647-UUD1C101MCL	UUD1C101MCL1GS	100	6.3 x 5.8		1000	
647-UUD1C221MCL	UUD1C221MCL1GS	220	6.3 x 7.7		900	
647-UUD1C331MNL	UUD1C331MNL1GS	330	8 x 10		500	
647-UUD1C471MNL	UUD1C471MNL1GS	470	8 x 10		500	
647-UUD1C681MNL	UUD1C681MNL1GS	680	10 x 10		500	
<b>25 Volt</b>						
647-UUD1E100MCL	UUD1E100MCL1GS	10	4 x 5.8		2000	
647-UUD1E220MCL	UUD1E220MCL1GS	22	5 x 5.8		1000	
647-UUD1E470MCL	UUD1E470MCL1GS	47	6.3 x 5.8		1000	
647-UUD1E680MCL	UUD1E680MCL1GS	68	6.3 x 5.8		1000	
647-UUD1E101MCL	UUD1E101MCL1GS	100	6.3 x 7.7		900	



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each 1 100	Reel Qty.	Price per Piece
<b>25 Volt (Cont.)</b>						
647-UUD1E221MNL	UUD1E221MNL1GS	220	8 x 10		500	
647-UUD1E331MNL	UUD1E331MNL1GS	330	8 x 10		500	
647-UUD1E471MNL	UUD1E471MNL1GS	470	10 x 10		500	
<b>35 Volt</b>						
647-UUD1V4R7MCL	UUD1V4R7MCL1GS	4.7	4 x 5.8		2000	
647-UUD1V100MCL	UUD1V100MCL1GS	10	5 x 5.8		1000	
647-UUD1V220MCL	UUD1V220MCL1GS	22	5 x 5.8		1000	
647-UUD1V330MCL	UUD1V330MCL1GS	33	6.3 x 5.8		1000	
647-UUD1V470MCL	UUD1V470MCL1GS	47	6.3 x 5.8		1000	
647-UUD1V680MCL	UUD1V680MCL1GS	68	6.3 x 7.7		900	
647-UUD1V101MNL	UUD1V101MNL1GS	100	8 x 10		500	
647-UUD1V221MNL	UUD1V221MNL1GS	220	8 x 10		500	
647-UUD1V331MNL	UUD1V331MNL1GS	330	10 x 10		500	
<b>50 Volt</b>						
647-UUD1H010MCL	UUD1H010MCL1GS	1.0	4 x 5.8		2000	
647-UUD1H2R2MCL	UUD1H2R2MCL1GS	2.2	4 x 5.8		2000	
647-UUD1H3R3MCL	UUD1H3R3MCL1GS	3.3	4 x 5.8		2000	
647-UUD1H100MCL	UUD1H100MCL1GS	10	6.3 x 5.8		1000	
647-UUD1H220MCL	UUD1H220MCL1GS	22	6.3 x 5.8		1000	
647-UUD1H330MCL	UUD1H330MCL1GS	33	6.3 x 7.7		900	
647-UUD1H470MCL	UUD1H470MCL1GS	47	6.3 x 7.7		900	
647-UUD1H680MNL	UUD1H680MNL1GS	68	8 x 10		500	
647-UUD1H101MNL	UUD1H101MNL1GS	100	8 x 10		500	
647-UUD1H221MNL	UUD1H221MNL1GS	220	10 x 10		500	