

NICHICON Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

nichicon UWX 85°C SMD GENERAL PURPOSE SERIES

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: UWP: 4V ~ 50V
- Capacitance range: 0.1 ~ 330µF
- Capacitance tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3µA, which ever is greater

Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.4mm height

Application Note:

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

Endurance:

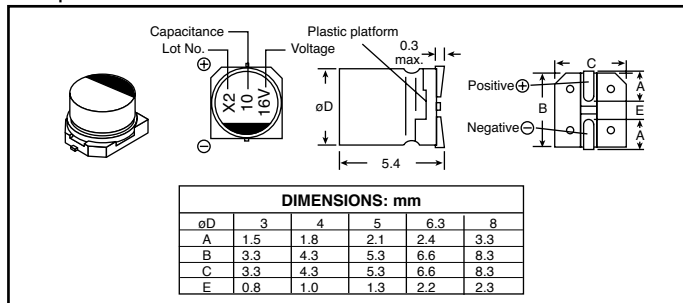
- 2000 hours @ 85°C



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For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel Reel Qty.	Price Per Piece
				1	100		
4 Volt							
647-UWX0G220MCL2	UWX0G220MCL2GB	22	3 X 5.4	.17	.12	2000	.062
647-UWX0G330MCL1	UWX0G330MCL1GB	33	4 X 5.4	.17	.13	2000	.087
647-UWX0G470MCL1	UWX0G470MCL1GB	47	4 X 5.4	.17	.123	2000	.085
647-UWX0G101MCL1	UWX0G101MCL1GB	100	5 X 5.4	.17	.124	1000	.069
647-UWX0G221MCL1	UWX0G221MCL1GB	220	6.3 X 5.4	.31	.166	1000	.085
6.3 Volt							
647-UWX0J220MCL2	UWX0J220MCL2GB	22	3 X 5.4	.16	.124	2000	.075
647-UWX0J220MCL1	UWX0J220MCL1GB	22	4 X 5.4	.16	.124	2000	.075
647-UWX0J330MCL1	UWX0J330MCL1GB	33	5 X 5.4	.17	.12	1000	.067
647-UWX0J470MCL1	UWX0J470MCL1GB	47	5 X 5.4	.17	.124	1000	.064
647-UWX0J101MCL1	UWX0J101MCL1GB	100	6.3 X 5.4	.18	.124	1000	.071
647-UWX0J221MCL1	UWX0J221MCL1GB	220	8 X 5.4	.35	.176	1000	.091
647-UWX0J331MCL1	UWX0J331MCL1GB	330	8 X 5.4	.35	.176	1000	.091
10 Volt							
647-UWX1A220MCL1	UWX1A220MCL1GB	22	5 X 5.4	.16	.124	1000	.063
647-UWX1A330MCL1	UWX1A330MCL1GB	33	5 X 5.4	.17	.124	1000	.069
647-UWX1A470MCL1	UWX1A470MCL1GB	47	6.3 X 5.4	.18	.124	1000	.071
647-UWX1A101MCL1	UWX1A101MCL1GB	100	6.3 X 5.4	.18	.124	1000	.071
647-UWX1A221MCL1	UWX1A221MCL1GB	220	8 X 5.4	.35	.176	1000	.091
16 Volt							
647-UWX1C100MCL2	UWX1C100MCL2GB	10	3 X 5.4	.16	.124	2000	.075
25 Volt							
647-UWX1E4R7MCL1	UWX1E4R7MCL1GB	4.7	4 X 5.4	.15	.119	2000	.072
647-UWX1E100MCL1	UWX1E100MCL1GB	10	5 X 5.4	.17	.12	1000	.067
647-UWX1E220MCL1	UWX1E220MCL1GB	22	6.3 X 5.4	.21	.155	1000	.077
647-UWX1E330MCL1	UWX1E330MCL1GB	33	6.3 X 5.4	.23	.166	1000	.084
647-UWX1E470MCL1	UWX1E470MCL1GB	47	8 X 5.4	.26	.18	1000	.091
647-UWX1E101MCL1	UWX1E101MCL1GB	100	8 X 5.4	.38	.26	1000	.129



Aluminum Caps, SMD Nichicon

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MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel Reel Qty.	Price Per Piece
				1	100		
35 Volt							
647-UWX1V2R2MCL2	UWX1V2R2MCL2GB	2.2	3 X 5.4	.16	.124	2000	.063
647-UWX1V3R3MCL2	UWX1V3R3MCL2GB	3.3	3 X 5.4	.16	.124	2000	.063
647-UWX1V4R7MCL1	UWX1V4R7MCL1GB	4.7	4 X 5.4	.13	.102	2000	.052
647-UWX1V100MCL1	UWX1V100MCL1GB	10	5 X 5.4	.17	.124	1000	.068
647-UWX1V220MCL1	UWX1V220MCL1GB	22	6.3 X 5.4	.21	.155	1000	.075
647-UWX1V330MCL1	UWX1V330MCL1GB	33	8 X 5.4	.26	.176	1000	.089
647-UWX1V470MCL1	UWX1V470MCL1GB	47	8 X 5.4	.25	.168	1000	.085
50 Volt							
647-UWX1H0R1MCL2	UWX1H0R1MCL2GB	0.1	3 X 5.4	.17	.124	2000	.064
647-UWX1H0R1MCL1	UWX1H0R1MCL1GB	0.1	4 X 5.4	.17	.12	2000	.064
647-UWX1HR22MCL2	UWX1HR22MCL2GB	0.22	3 X 5.4	.17	.135	2000	.064
647-UWX1HR22MCL1	UWX1HR22MCL1GB	0.22	4 X 5.4	.17	.131	2000	.062
647-UWX1HR33MCL2	UWX1HR33MCL2GB	0.33	3 X 5.4	.17	.13	2000	.062
647-UWX1HR33MCL1	UWX1HR33MCL1GB	0.33	4 X 5.4	.17	.12	2000	.064
647-UWX1HR47MCL2	UWX1HR47MCL2GB	0.47	3 X 5.4	.17	.12	2000	.062
647-UWX1HR47MCL1	UWX1HR47MCL1GB	0.47	4 X 5.4	.17	.14	2000	.064
647-UWX1H010MCL2	UWX1H010MCL2GB	1.0	3 X 5.4	.17	.124	2000	.064
647-UWX1H010MCL1	UWX1H010MCL1GB	1.0	4 X 5.4	.17	.124	2000	.064
647-UWX1H2R2MCL2	UWX1H2R2MCL2GB	2.2	3 X 5.4	.17	.124	2000	.066
647-UWX1H2R2MCL1	UWX1H2R2MCL1GB	2.2	4 X 5.4	.17	.124	2000	.065
647-UWX1H3R3MCL1	UWX1H3R3MCL1GB	3.3	4 X 5.4	.16	.12	2000	.058
647-UWX1H4R7MCL1	UWX1H4R7MCL1GB	4.7	5 X 5.4	.19	.134	1000	.064
647-UWX1H100MCL1	UWX1H100MCL1GB	10	6.3 X 5.4	.20	.147	1000	.071
647-UWX1H220MCL1	UWX1H220MCL1GB	22	8 X 5.4	.36	.197	1000	.099
647-UWX1H330MCL1	UWX1H330MCL1GB	33	8 X 5.4	.30	.197	1000	.097

nichicon UWP 85°C BI-POLAR SMD SERIES

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: UWP: 6.3V ~ 50V
- Capacitance range: 0.1 ~ 330µF
- Capacitance tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.05CV or 10µA, which ever is greater

Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.4mm height

Application Note:

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

Endurance:

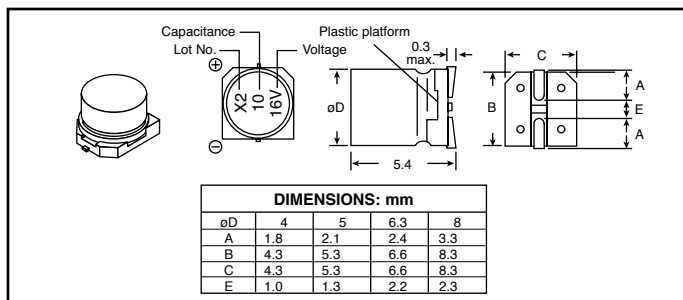
- 1000 hours @ 85°C with polarity inverted every 250 hours



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MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel Reel Qty.	Price Per Piece
				1	100		
6.3 Volt							
647-UWP0J220MCL	UWP0J220MCL1GB	22	5 X 5.4	.47	.35	1000	.232
647-UWP0J330MCL	UWP0J330MCL1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J470MCL	UWP0J470MCL1GB	47	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J101MCL	UWP0J101MCL1GB	100	8 X 5.4	.53	.40	1000	.27
10 Volt							
647-UWP1A100MCL	UWP1A100MCL1GB	10	4 X 5.4	.41	.30	2000	.197
647-UWP1A220MCL	UWP1A220MCL1GB	22	6.3 X 5.4	.49	.242	1000	.222
647-UWP1A330MCL	UWP1A330MCL1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP1A470MCL	UWP1A470MCL1GB	47	8 X 5.4	.48	.36	1000	.24
16 Volt							
647-UWP1C100MCL	UWP1C100MCL1GB	10	5 X 5.4	.47	.35	1000	.232
25 Volt							
647-UWP1E3R3MCL	UWP1E3R3MCL1GB	3.3	5 X 5.4	.41	.30	1000	.211
647-UWP1E4R7MCL	UWP1E4R7MCL1GB	4.7	5 X 5.4	.48	.36	1000	.238
647-UWP1E100MCL	UWP1E100MCL1GB	10	6.3 X 5.4	.49	.36	1000	.242
647-UWP1E330MCL	UWP1E330MCL1GB	33	8 X 5.4	.51	.385	1000	.257



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MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel Reel Qty.	Price Per Piece
				1	100		
35 Volt							
647-UWP1V2R2MCL	UWP1V2R2MCL1GB	2.2	4 X 5.4	.45	.33	2000	.217
647-UWP1V3R3MCL	UWP1V3R3MCL1GB	3.3	5 X 5.4	.45	.34	1000	.22
647-UWP1V4R7MCL	UWP1V4R7MCL1GB	4.7	5 X 5.4	.47	.35	1000	.232
647-UWP1V100MCL	UWP1V100MCL1GB	10	6.3 X 5.4	.49	.36	1000	.242
647-UWP1V220MCL	UWP1V220MCL1GB	22	8 X 5.4	.51	.38	1000	.259
50 Volt							
647-UWP1H0R1MCL	UWP1H0R1MCL1GB	0.1	4 X 5.4	.41	.30	2000	.212
647-UWP1HR22MCL	UWP1HR22MCL1GB	0.22	4 X 5.4	.41	.30	2000	.212
647-UWP1HR33MCL	UWP1HR33MCL1GB	0.33	4 X 5.4	.41	.30	2000	.212
647-UWP1HR47MCL	UWP1HR47MCL1GB	0.47	4 X 5.4	.41	.30	2000	.212
647-UWP1H010MCL	UWP1H010MCL1GB	1.0	4 X 5.4	.41	.30	2000	.212
647-UWP1H2R2MCL	UWP1H2R2MCL1GB	2.2	5 X 5.4	.47	.35	1000	.232
647-UWP1H3R3MCL	UWP1H3R3MCL1GB	3.3	5 X 5.4	.47	.35	1000	.232
647-UWP1H4R7MCL	UWP1H4R7MCL1GB	4.7	6.3 X 5.4	.49	.242	1000	.197
647-UWP1H100MCL	UWP1H100MCL1GB	10	8 X 5.4	.51	.384	1000	.262