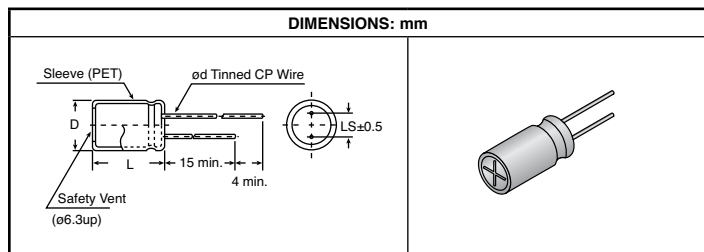


NICHICON Aluminum Electrolytic Capacitors



nichicon UVR 85°C GENERAL PURPOSE SERIES



Specifications:

- Operating temperature range: -40°C ~ +85°C (6.3V ~ 400V), -25°C ~ +85°C (450V)
- Voltage range: 6.3V ~ 450V
- Capacitance range: 0.1µF ~ 3300µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Endurance: 2000 hours @ 85°C

Application note:

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



LEAD-FREE

RoHS Compliant

6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (µA), whichever is greater	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40µA or less
After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater	After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100µA or less

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
6.3 Volt								
647-UVR0J101MDD	UVR0J101MDD	100	5 x 11	2.0	.26	.18	.101	.071
647-UVR0J221MDD	UVR0J221MDD	220	5 x 11	2.0	.27	.187	.105	.074
647-UVR0J331MED	UVR0J331MED	330	6.3 x 11	2.5	.33	.232	.103	.092
647-UVR0J471MED	UVR0J471MED	470	6.3 x 11	2.5	.33	.218	.107	.095
647-UVR0J102MPD	UVR0J102MPD	1000	8 x 11.5	3.5	.38	.268	.133	.119
647-UVR0J222MPD	UVR0J222MPD	2200	10 x 20	5.0	.69	.486	.274	.239
647-UVR0J332MPD	UVR0J332MPD	3300	10 x 20	5.0	.70	.495	.278	.242
647-UVR0J682MHD	UVR0J682MHD	6800	12.5 x 25	5.0	.94	.71	.462	.396
647-UVR0J103MHD	UVR0J103MHD	10000	16 x 25	7.5	1.28	1.00	.679	.576
647-UVR0J153MHD	UVR0J153MHD	15000	16 x 35.5	7.5	2.16	1.71	1.14	.971
647-UVR0J223MHD	UVR0J223MHD	22000	18 x 40	7.5	2.92	2.36	1.55	1.37

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
10 Volt								
647-UVR1A101MDD	UVR1A101MDD	100	5 x 11	2.0	.26	.18	.101	.071
647-UVR1A221MED	UVR1A221MED	220	6.3 x 11	2.5	.31	.217	.122	.086
647-UVR1A331MED	UVR1A331MED	330	6.3 x 11	2.5	.33	.218	.107	.095
647-UVR1A471MED	UVR1A471MED	470	6.3 x 11	2.5	.36	.251	.112	.10
647-UVR1A102MPD	UVR1A102MPD	1000	10 x 12.5	5.0	.47	.334	.186	.162
647-UVR1A222MPD	UVR1A222MPD	2200	10 x 20	5.0	.79	.552	.314	.273
647-UVR1A332MHD	UVR1A332MHD	3300	12.5 x 20	5.0	.83	.638	.412	.352
647-UVR1A472MHD	UVR1A472MHD	4700	12.5 x 25	5.0	1.39	1.06	.683	.585
647-UVR1A682MHD	UVR1A682MHD	6800	16 x 25	7.5	1.36	1.07	.717	.61
647-UVR1A103MHD	UVR1A103MHD	10000	16 x 35.5	7.5	2.73	2.16	1.44	1.22
647-UVR1A153MHD	UVR1A153MHD	15000	18 x 35.5	7.5	4.82	4.43	.958	.814

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
16 Volt								
647-UVR1C100MDD	UVR1C100MDD	10	5 x 11	2.0	.25	.173	.097	.068
647-UVR1C220MDD	UVR1C220MDD	22	5 x 11	2.0	.25	.173	.097	.068
647-UVR1C330MDD	UVR1C330MDD	33	5 x 11	2.0	.25	.173	.097	.068
647-UVR1C470MDD	UVR1C470MDD	47	5 x 11	2.0	.26	.18	.101	.071
647-UVR1C101MDD	UVR1C101MDD	100	5 x 11	2.0	.26	.183	.103	.072
647-UVR1C221MED	UVR1C221MED	220	6.3 x 11	2.5	.33	.218	.107	.095
647-UVR1C331MPD	UVR1C331MPD	330	8 x 11.5	3.5	.37	.25	.114	.101
647-UVR1C471MPD	UVR1C471MPD	470	8 x 11.5	3.5	.42	.29	.132	.117
647-UVR1C102MPD	UVR1C102MPD	1000	10 x 16	5.0	.55	.384	.217	.189
647-UVR1C222MHD	UVR1C222MHD	2200	12.5 x 20	5.0	.72	.548	.354	.303
647-UVR1C332MHD	UVR1C332MHD	3300	12.5 x 25	5.0	1.60	1.26	.844	.717
647-UVR1C472MHD	UVR1C472MHD	4700	16 x 25	7.5	1.32	1.03	.694	.59
647-UVR1C682MHD	UVR1C682MHD	6800	16 x 35.5	7.5	2.00	1.59	1.06	.902
647-UVR1C103MHD	UVR1C103MHD	10000	18 x 35.5	7.5	2.49	1.95	1.31	1.11

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
25 Volt								
647-UVR1E100MDD	UVR1E100MDD	10	5 x 11	2.0	.25	.173	.097	.068
647-UVR1E220MDD	UVR1E220MDD	22	5 x 11	2.0	.25	.173	.097	.068
647-UVR1E330MDD	UVR1E330MDD	33	5 x 11	2.0	.25	.173	.097	.068
647-UVR1E470MDD	UVR1E470MDD	47	5 x 11	2.0	.26	.18	.101	.071
647-UVR1E101MED	UVR1E101MED	100	6.3 x 11	2.5	.32	.223	.10	.088
647-UVR1E221MPD	UVR1E221MPD	220	8 x 11.5	3.5	.38	.263	.123	.106
647-UVR1E331MPD	UVR1E331MPD	330	10 x 12.5	5.0	.27	.25	.142	.127
647-UVR1E471MPD	UVR1E471MPD	470	10 x 12.5	5.0	.46	.322	.161	.144
647-UVR1E102MPD	UVR1E102MPD	1000	10 x 20	5.0	.63	.444	.25	.217
647-UVR1E222MHD	UVR1E222MHD	2200	12.5 x 25	5.0	1.26	.963	.621	.532
647-UVR1E332MHD	UVR1E332MHD	3300	16 x 25	7.5	1.36	1.06	.716	.608
647-UVR1E472MHD	UVR1E472MHD	4700	16 x 31.5	7.5	2.04	1.60	1.07	.915
647-UVR1E682MHD	UVR1E682MHD	6800	18 x 35.5	7.5	2.30	1.84	1.21	1.08

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
35 Volt								
647-UVR1V100MDD	UVR1V100MDD	10	5 x 11	2.0	.25	.173	.097	.068
647-UVR1V220MDD	UVR1V220MDD	22	5 x 11	2.0	.25	.173	.097	.068
647-UVR1V330MDD	UVR1V330MDD	33	5 x 11	2.0	.26	.18	.101	.071
647-UVR1V470MDD	UVR1V470MDD	47	5 x 11	2.0	.26	.183	.103	.072
647-UVR1V101MED	UVR1V101MED	100	6.3 x 11	2.5	.34	.24	.107	.095
647-UVR1V221MPD	UVR1V221MPD	220	10 x 12.5	5.0	.45	.313	.156	.14
647-UVR1V331MPD	UVR1V331MPD	330	10 x 12.5	5.0	.22	.157	.078	.07
647-UVR1V471MPD	UVR1V471MPD	470	10 x 16	5.0	.63	.434	.217	.194
647-UVR1V102MHD	UVR1V102MHD	1000	12.5 x 20	5.0	.91	.638	.361	.312
647-UVR1V222MHD	UVR1V222MHD	2200	16 x 25	7.5	1.47	.984	.656	.556
647-UVR1V332MHD	UVR1V332MHD	3300	16 x 35.5	7.5	1.86	1.47	.985	.837
647-UVR1V472MHD	UVR1V472MHD	4700	18 x 35.5	7.5	2.42	1.95	1.28	1.14

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
50 Volt								
647-UVR1HR33MDD	UVR1HR33MDD	0.33	5 x 11	2.0	.25	.173	.097	.068
647-UVR1HR47MDD	UVR1HR47MDD	0.47	5 x 11	2.0	.25	.173	.097	.068
647-UVR1H010MDD	UVR1H010MDD	1.0	5 x 11	2.0	.25	.173	.097	.068
647-UVR1H2R2MDD	UVR1H2R2MDD	2.2	5 x 11	2.0	.25	.173	.097	.068
647-UVR1H3R3MDD	UVR1H3R3MDD	3.3	5 x 11	2.0	.25	.173	.097	.068
647-UVR1H4R7MDD	UVR1H4R7MDD	4.7	5 x 11	2.0	.25	.173	.097	.068
647-UVR1H100MDD	UVR1H100MDD	10	5 x 11	2.0	.25	.173	.097	.068
647-UVR1H220MDD	UVR1H220MDD	22	5 x 11	2.0	.25	.173	.097	.068
647-UVR1H330MDD	UVR1H330MDD	33	5 x 11	2.0	.25	.173	.097	.068
647-UVR1H470MED	UVR1H470MED	47	6.3 x 11	2.5	.31	.217	.122	.086
647-UVR1H101MPD	UVR1H101MPD	100	8 x 11.5	3.5	.37	.255	.117	.103

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MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
50 Volt (Cont.)								
647-UVR1H221MPD	UVR1H221MPD	220	10 x 12.5	5.0	.57	.402	.259	.192
647-UVR1H331MPD	UVR1H331MPD	330	10 x 16	5.0	.64	.449	.253	.221
647-UVR1H471MHD	UVR1H471MHD	470	12.5 x 20	5.0	.71	.524	.328	.284
647-UVR1H102MHD	UVR1H102MHD	1000	12.5 x 25	5.0	1.10	.843	.543	.466
647-UVR1H222MHD	UVR1H222MHD	2200	16 x 35.5	7.5	1.77	1.40	.934	.793
647-UVR1H332MHD	UVR1H332MHD	3300	18 x 35.5	7.5	1.83	1.44	.964	.819

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
63 Volt								
647-UVR1J100MDD	UVR1J100MDD	10	5 x 11	2.0	.25	.173	.097	.068
647-UVR1J220MDD	UVR1J220MDD	22	5 x 11	2.0	.26	.183	.103	.072
647-UVR1J330MED	UVR1J330MED	33	6.3 x 11	2.5	.35	.242	.108	.095
647-UVR1J470MED	UVR1J470MED	47	6.3 x 11	2.5	.36	.242	.142	.101
647-UVR1J101MPD	UVR1J101MPD	100	10 x 12.5	5.0	.42	.316	.162	.146
647-UVR1J221MPD	UVR1J221MPD	220	10 x 16	5.0	.66	.46	.259	.226
647-UVR1J331MPD	UVR1J331MPD	330	10 x 20	5.0	.62	.459	.288	.248
647-UVR1J471MHD	UVR1J471MHD	470	12.5 x 20	5.0	.91	.695	.449	.384
647-UVR1J102MHD	UVR1J102MHD	1000	16 x 25	7.5	1.37	1.07	.722	.613
647-UVR1J222MHD	UVR1J222MHD	2200	18 x 35.5	7.5	2.55	2.05	1.34	1.19

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
100 Volt								
647-UVR2A0R1MDD	UVR2A0R1MDD	0.1						