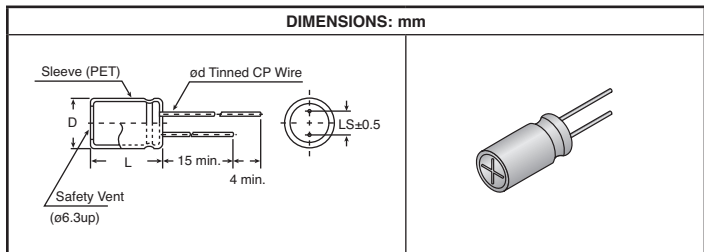


# NICHICON Aluminum Electrolytic Capacitors



## 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 ~ 33000µF
- 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
<b>6.3 Volt</b>								
647-UVR0J101MDD	UVR0J101MDD	100	5 x 11	2.0	.23	.156	.088	.062
647-UVR0J221MDD	UVR0J221MDD	220	5 x 11	2.0	.23	.156	.088	.062
647-UVR0J331MED	UVR0J331MED	330	6.3 x 11	2.5	.27	.186	.083	.074
647-UVR0J471MED	UVR0J471MED	470	6.3 x 11	2.5	.27	.175	.086	.076
647-UVR0J102MPD	UVR0J102MPD	1000	8 x 11.5	3.5	.31	.215	.107	.096
647-UVR0J222MPD	UVR0J222MPD	2200	10 x 20	5.0	.63	.44	.248	.216
647-UVR0J332MPD	UVR0J332MPD	3300	10 x 20	5.0	.70	.49	.276	.24
647-UVR0J682MHD	UVR0J682MHD	6800	12.5 x 25	5.0	.94	.71	.462	.396
647-UVR0J103MHD	UVR0J103MHD	10000	16 x 25	7.5	1.50	1.17	.791	.671
647-UVR0J153MHD	UVR0J153MHD	15000	16 x 35.5	7.5	1.74	1.38	.92	.782
647-UVR0J223MHD	UVR0J223MHD	22000	18 x 40	7.5	1.84	1.40	.919	.817
<b>10 Volt</b>								
647-UVR1A101MDD	UVR1A101MDD	100	5 x 11	2.0	.23	.156	.088	.062
647-UVR1A221MED	UVR1A221MED	220	6.3 x 11	2.5	.25	.174	.098	.069
647-UVR1A331MED	UVR1A331MED	330	6.3 x 11	2.5	.27	.175	.086	.076
647-UVR1A471MED	UVR1A471MED	470	6.3 x 11	2.5	.27	.186	.083	.074
647-UVR1A102MPD	UVR1A102MPD	1000	10 x 12.5	5.0	.44	.308	.172	.15
647-UVR1A222MPD	UVR1A222MPD	2200	10 x 20	5.0	.72	.50	.285	.248
647-UVR1A332MHD	UVR1A332MHD	3300	12.5 x 20	5.0	.77	.588	.38	.325
647-UVR1A472MHD	UVR1A472MHD	4700	12.5 x 25	5.0	1.00	.76	.49	.42
647-UVR1A682MHD	UVR1A682MHD	6800	16 x 25	7.5	1.51	1.19	.795	.676
647-UVR1A103MHD	UVR1A103MHD	10000	16 x 35.5	7.5	1.74	1.38	.92	.782
647-UVR1A153MHD	UVR1A153MHD	15000	18 x 35.5	7.5	1.82	1.43	.958	.814
<b>16 Volt</b>								
647-UVR1C100MDD	UVR1C100MDD	10	5 x 11	2.0	.23	.156	.088	.062
647-UVR1C220MDD	UVR1C220MDD	22	5 x 11	2.0	.23	.156	.088	.062
647-UVR1C330MDD	UVR1C330MDD	33	5 x 11	2.0	.23	.156	.088	.062
647-UVR1C470MDD	UVR1C470MDD	47	5 x 11	2.0	.23	.156	.088	.062
647-UVR1C101MDD	UVR1C101MDD	100	5 x 11	2.0	.23	.156	.088	.062
647-UVR1C221MED	UVR1C221MED	220	6.3 x 11	2.5	.27	.175	.086	.076
647-UVR1C331MPD	UVR1C331MPD	330	8 x 11.5	3.5	.30	.20	.091	.081
647-UVR1C471MPD	UVR1C471MPD	470	8 x 11.5	3.5	.32	.218	.099	.088
647-UVR1C102MPD	UVR1C102MPD	1000	10 x 16	5.0	.56	.39	.22	.192
647-UVR1C222MHD	UVR1C222MHD	2200	12.5 x 20	5.0	.77	.585	.378	.324
647-UVR1C332MHD	UVR1C332MHD	3300	12.5 x 25	5.0	1.25	.98	.656	.557
647-UVR1C472MHD	UVR1C472MHD	4700	16 x 25	7.5	1.47	1.15	.772	.656
647-UVR1C682MHD	UVR1C682MHD	6800	16 x 35.5	7.5	1.74	1.38	.92	.782
647-UVR1C103MHD	UVR1C103MHD	10000	18 x 35.5	7.5	1.82	1.35	.904	.768
<b>25 Volt</b>								
647-UVR1E100MDD	UVR1E100MDD	10	5 x 11	2.0	.23	.156	.088	.062
647-UVR1E220MDD	UVR1E220MDD	22	5 x 11	2.0	.23	.156	.088	.062
647-UVR1E330MDD	UVR1E330MDD	33	5 x 11	2.0	.23	.156	.088	.062
647-UVR1E470MDD	UVR1E470MDD	47	5 x 11	2.0	.23	.156	.088	.062
647-UVR1E101MED	UVR1E101MED	100	6.3 x 11	2.5	.25	.174	.078	.069
647-UVR1E221MPD	UVR1E221MPD	220	8 x 11.5	3.5	.31	.211	.099	.085
647-UVR1E331MPD	UVR1E331MPD	330	10 x 12.5	5.0	.23	.21	.12	.107
647-UVR1E471MPD	UVR1E471MPD	470	10 x 12.5	5.0	.48	.33	.165	.148
647-UVR1E102MPD	UVR1E102MPD	1000	10 x 20	5.0	.63	.44	.248	.216
647-UVR1E222MHD	UVR1E222MHD	2200	12.5 x 25	5.0	1.00	.76	.49	.42
647-UVR1E332MHD	UVR1E332MHD	3300	16 x 25	7.5	1.47	1.15	.772	.656
647-UVR1E472MHD	UVR1E472MHD	4700	16 x 31.5	7.5	1.48	1.16	.78	.663
647-UVR1E682MHD	UVR1E682MHD	6800	18 x 35.5	7.5	1.87	1.51	.993	.883
<b>35 Volt</b>								
647-UVR1V100MDD	UVR1V100MDD	10	5 x 11	2.0	.23	.156	.088	.062
647-UVR1V220MDD	UVR1V220MDD	22	5 x 11	2.0	.23	.156	.088	.062
647-UVR1V330MDD	UVR1V330MDD	33	5 x 11	2.0	.23	.156	.088	.062
647-UVR1V470MDD	UVR1V470MDD	47	5 x 11	2.0	.23	.156	.088	.062
647-UVR1V101MED	UVR1V101MED	100	6.3 x 11	2.5	.27	.186	.083	.074
647-UVR1V221MPD	UVR1V221MPD	220	10 x 12.5	5.0	.36	.25	.125	.112
647-UVR1V331MPD	UVR1V331MPD	330	10 x 12.5	5.0	.48	.33	.165	.148
647-UVR1V471MPD	UVR1V471MPD	470	10 x 16	5.0	.48	.33	.165	.148
647-UVR1V102MHD	UVR1V102MHD	1000	12.5 x 20	5.0	.73	.51	.289	.25
647-UVR1V222MHD	UVR1V222MHD	2200	16 x 25	7.5	1.31	1.04	.693	.588
647-UVR1V332MHD	UVR1V332MHD	3300	16 x 35.5	7.5	1.74	1.38	.92	.782
647-UVR1V472MHD	UVR1V472MHD	4700	18 x 35.5	7.5	1.95	1.48	1.02	.847
<b>50 Volt</b>								
647-UVR1HR33MDD	UVR1HR33MDD	0.33	5 x 11	2.0	.23	.156	.088	.062
647-UVR1HR47MDD	UVR1HR47MDD	0.47	5 x 11	2.0	.23	.156	.088	.062
647-UVR1H010MDD	UVR1H010MDD	1.0	5 x 11	2.0	.23	.156	.088	.062
647-UVR1H2R2MDD	UVR1H2R2MDD	2.2	5 x 11	2.0	.23	.156	.088	.062
647-UVR1H3R3MDD	UVR1H3R3MDD	3.3	5 x 11	2.0	.23	.156	.088	.062
647-UVR1H4R7MDD	UVR1H4R7MDD	4.7	5 x 11	2.0	.23	.156	.088	.062
647-UVR1H100MDD	UVR1H100MDD	10	5 x 11	2.0	.23	.156	.088	.062
647-UVR1H220MDD	UVR1H220MDD	22	5 x 11	2.0	.23	.156	.088	.062
647-UVR1H330MDD	UVR1H330MDD	33	5 x 11	2.0	.23	.156	.088	.062
647-UVR1H470MED	UVR1H470MED	47	6.3 x 11	2.5	.25	.174	.098	.069
647-UVR1H101MPD	UVR1H101MPD	100	8 x 11.5	3.5	.30	.204	.094	.083

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
<b>50 Volt (Cont.)</b>								
647-UVR1H221MPD	UVR1H221MPD	220	10 x 12.5	5.0	.51	.36	.232	.172
647-UVR1H331MPD	UVR1H331MPD	330	10 x 16	5.0	.56	.39	.22	.192
647-UVR1H471MHD	UVR1H471MHD	470	12.5 x 20	5.0	.65	.48	.301	.26
647-UVR1H102MHD	UVR1H102MHD	1000	12.5 x 25	5.0	1.00	.76	.49	.42
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
<b>63 Volt</b>								
647-UVR1J100MDD	UVR1J100MDD	10	5 x 11	2.0	.23	.156	.088	.062
647-UVR1J220MDD	UVR1J220MDD	22	5 x 11	2.0	.23	.156	.088	.062
647-UVR1J330MED	UVR1J330MED	33	6.3 x 11	2.5	.28	.192	.086	.076
647-UVR1J470MED	UVR1J470MED	47	6.3 x 11	2.5	.29	.194	.114	.081
647-UVR1J101MPD	UVR1J101MPD	100	10 x 12.5	5.0	.34	.253	.13	.117
647-UVR1J221MPD	UVR1J221MPD	220	10 x 16	5.0	.56	.39	.22	.192
647-UVR1J331MPD	UVR1J331MPD	330	10 x 20	5.0	.65	.48	.301	.26
647-UVR1J471MHD	UVR1J471MHD	470	12.5 x 20	5.0	.77	.588	.38	.325
647-UVR1J102MHD	UVR1J102MHD	1000	16 x 25	7.5	1.29	1.01	.677	.575
647-UVR1J222MHD	UVR1J222MHD	2200	18 x 35.5	7.5	1.95	1.50	1.03	.846
<b>100 Volt</b>								
647-UVR2A0R1MDD	UVR2A0R1MDD	0.1	5 x 11	2.0	.23	.156	.088	.062
647-UVR2AR33MDD	UVR2AR33MDD	0.33	5 x 11	2.0	.23	.156	.088	.062
647-UVR2AR47MDD	UVR2AR47MDD	0.47	5 x 11	2.0	.23	.156	.07	.062
647-UVR2A010MDD	UVR2A010MDD	1.0	5 x 11	2.0	.23	.156	.088	.062
647-UVR2A2R2MDD	UVR2A2R2MDD	2.2	5 x 11	2.0	.23	.156	.088	.062
647-UVR2A3R3MDD	UVR2A3R3MDD	3.3	5 x 11	2.0	.23	.156	.07	.062
647-UVR2A4R7MDD	UVR2A4R7MDD	4.7	5 x 11	2.0	.23	.156	.088	.062
647-UVR2A100MED	UVR2A100MED	10	6.3 x 11	2.5	.25	.174	.098	.069
647-UVR2A220MED	UVR2A220MED	22	6.3 x 11	2.5	.29	.194	.114	.081
647-UVR2A330MPD	UVR2A330MPD	33	8 x 11.5	3.5	.31	.215	.107	.096
647-UVR2A470MPD	UVR2A470MPD	47	10 x 12.5	5.0	.48	.33	.165	.148
647-UVR2A101MPD	UVR2A101MPD	100	10 x 20	5.0	.70	.49	.276	.24
647-UVR2A221MHD	UVR2A221MHD	220	12.5 x 25	5.0	.91	.69	.449	.35
647-UVR2A331MHD								