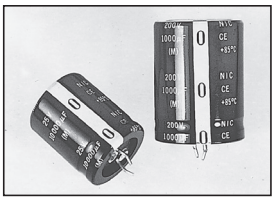
NRLUW Series
Large Can Aluminum Electrolytic Capacitors

9001:2015 CERTIFIED

ROHS/REACH COMPLIANT HALOGEN FREE

NIC Components Corp.

FEATURES
- LONG LIFE AT +105°C (5,000 HOURS)
- HIGH RIPPLE CURRENT
- HIGH VOLTAGE (UP TO 500VDC)
- SUITABLE FOR SWITCHING POWER SUPPLIES



SPECIFICATIONS

Operating Temperature Range		-25 ~ +105°C											
Rated Voltage Range		200 ~ 500Vdc											
Rated Capacitance Range		56 ~ 2,700µF											
Capacitance Tolerance		±20% (M)											
Max. Leakage Current (µA) After 5 minutes (20°C)		$3\,x\sqrt{C\ (\mu F)V}$											
Max. Tan δ at 120Hz/20°C	W.V. (Vdc)	200	220	250	250	315	350	385	400	420	450	475	500
	Tan δ max.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.25	0.25
Surge Voltage	W.V. (Vdc)	200	220	250	250	315	350	385	400	420	450	475	500
	S.V. (Vdc)	250	270	300	300	365	400	435	450	470	500	525	550
Impedance Ration (Low Temperature Stability)	Z (-25°C)/Z (+20°C)	3			8							10	
Load Life Test 5,000 hours at +105°C	Capacitance Change	Within ±20% of initial measured value											
	Tan δ	Less than 200% of specified maximum value											
	Leakage Current	Less than specified maximum value											
Shelf Life Test 1,000 hours at +105°C (no load)	Capacitance Change	Within ±20% of initial measured value											
	Tan δ	Less than 200% of specified maximum value											
	Leakage Current	Less than specified maximum value											
Other		Conforms to JIS C-5141 (1991) & JIS C-5102 (1986)											

Ripple Current Correction Factors	Frequency (Hz)	60	120	300	500	1K	10K≤
	Multiplier at 105°C 200 ~ 250Vdc	0.80	1.00	1.15	1.20	1.30	1.50
	Multiplier at 105°C 315 ~ 500Vdc	0.80	1.00	1.15	1.20	1.25	1.40

MECHANICAL CHARACTERISTICS:

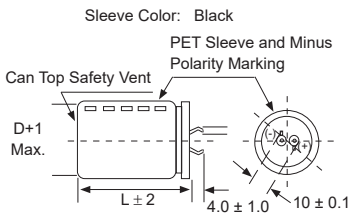
1. Safety Vent:
The capacitors are provided with a pressure vent on the top of can. The vent is designed to rupture in the event that high internal gas pressure is developed by circuit malfunction or mis-use like reverse voltage.

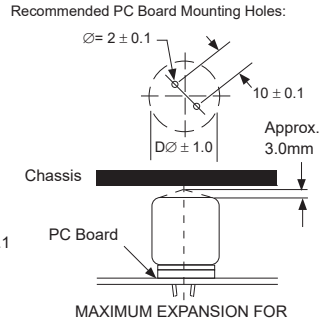
2. Terminal Strength:
Each terminal of the capacitor shall withstand an axial pull force of 2.0Kg for a period 10 seconds or a radial bent force of 2.5Kg for a period of 30 seconds.

PART NUMBER SYSTEM

NRLUW 681 M 220V 30X30 S F

- F — RoHS compliant
- S — Lead Length S=4mm
- 30X30 — Case Size (mm)
- 220V — Voltage Rating
- M — Tolerance Code
- 681 — Capacitance Code
- NRLUW — Series





Notice for Mounting
The space from the top of the can shall be more than (3mm) from chassis or other construction materials so that safety vent has room to expand in case of emergency.

PRECAUTIONS

Please review the notes on correct use, safety and precautions found at
https://www.niccomp.com/resource/files/aluminum/AlumAppInfoCautions.pdf
If in doubt or uncertainty, please review your specific application - process details with NIC's technical support personnel: **tpmg@niccomp.com**

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Part Number	Voltage (VDC)	Cap (µF)	Case Size D x L (mm)	Dissipation Factor	Max. Leakage Current (µA)	Max. Ripple Current (Arms @ 105°C)	
						120Hz	10KHz ~ up
NRLUW331M200V22X25SF	200	330	22x25	0 .20	770	1.41	2.11
NRLUW391M200V22X30SF	200	390	22x30	0 .20	837	1.63	2.44
NRLUW471M200V22X30SF	200	470	22x30	0 .20	919	1.72	2.58
NRLUW471M200V25X25SF	200	470	25x25	0 .20	919	1.57	2.35
NRLUW561M200V22X35SF	200	560	22x35	0 .20	1003	1.95	2.92
NRLUW561M200V25X30SF	200	560	25x30	0 .20	1003	1.84	2.76
NRLUW681M200V22X40SF	200	680	22x40	0 .20	1106	2.22	3.33
NRLUW681M200V25X35SF	200	680	25x35	0 .20	1106	2.11	3.16
NRLUW681M200V30X25SF	200	680	30x25	0 .20	1106	1.69	2.53
NRLUW821M200V22X50SF	200	820	22x50	0 .20	1214	2.60	3.90
NRLUW821M200V25X40SF	200	820	25x40	0 .20	1214	2.37	3.55
NRLUW821M200V30X30SF	200	820	30x30	0 .20	1214	2.01	3.01
NRLUW821M200V35X25SF	200	820	35x25	0 .20	1214	1.68	2.52
NRLUW102M200V22X60SF	200	1000	22x60	0 .20	1341	3.00	4.50
NRLUW102M200V25X45SF	200	1000	25x45	0 .20	1341	2.63	3.94
NRLUW102M200V30X35SF	200	1000	30x35	0 .20	1341	2.30	3.45
NRLUW102M200V35X30SF	200	1000	35x30	0 .20	1341	2.02	3.03
NRLUW122M200V25X50SF	200	1200	25x50	0 .20	1469	2.88	4.32
NRLUW122M200V30X40SF	200	1200	30x40	0 .20	1469	2.55	3.82
NRLUW122M200V35X30SF	200	1200	35x30	0 .20	1469	2.22	3.33
NRLUW152M200V30X45SF	200	1500	30x45	0 .20	1643	2.80	4.20
NRLUW152M200V35X35SF	200	1500	35x35	0 .20	1643	2.56	3.84
NRLUW182M200V30X50SF	200	1800	30x50	0 .20	1800	3.08	4.62
NRLUW182M200V35X40SF	200	1800	35x40	0 .20	1800	2.85	4.27
NRLUW222M200V35X50SF	200	2200	35x50	0 .20	1989	3.14	4.71
NRLUW272M200V35X60SF	200	2700	35x60	0 .20	2204	3.49	5.23
NRLUW271M220V22X25SF	220	270	22x25	0 .20	731	1.33	1.99
NRLUW331M220V22X30SF	220	330	22x30	0 .20	808	1.55	2.32
NRLUW391M220V22X30SF	220	390	22x30	0 .20	878	1.63	2.44
NRLUW391M220V25X25SF	220	390	25x25	0 .20	878	1.50	2.25
NRLUW471M220V22X35SF	220	470	22x35	0 .20	964	1.85	2.77
NRLUW471M220V25X30SF	220	470	25x30	0 .20	964	1.76	2.64
NRLUW561M220V22X40SF	220	560	22x40	0 .20	1052	2.08	3.12
NRLUW561M220V25X30SF	220	560	25x30	0 .20	1052	1.83	2.74
NRLUW561M220V30X25SF	220	560	30x25	0 .20	1052	1.64	2.46
NRLUW681M220V22X45SF	220	680	22x45	0 .20	1160	2.34	3.51
NRLUW681M220V25X35SF	220	680	25x35	0 .20	1160	2.10	3.15
NRLUW681M220V30X30SF	220	680	30x30	0 .20	1160	1.94	2.91
NRLUW821M220V22X55SF	220	820	22x55	0 .20	1274	2.73	4.09
NRLUW821M220V25X40SF	220	820	25x40	0 .20	1274	2.35	3.52
NRLUW821M220V30X30SF	220	820	30x30	0 .20	1274	1.99	2.98
NRLUW821M220V35X25SF	220	820	35x25	0 .20	1274	1.89	2.83
NRLUW102M220V25X45SF	220	1000	25x45	0 .20	1407	2.65	3.97
NRLUW102M220V30X35SF	220	1000	30x35	0 .20	1407	2.26	3.39

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Part Number	Voltage (VDC)	Cap (µF)	Case Size D x L (mm)	Dissipation Factor	Max. Leakage Current (µA)	Max. Ripple Current (Arms @ 105°C)	
						120Hz	10KHz ~ up
NRLUW102M220V35X30SF	220	1000	35x30	0 .20	1407	2.15	3.22
NRLUW122M220V25X60SF	220	1200	25x60	0 .20	1541	3.19	4.78
NRLUW122M220V30X40SF	220	1200	30x40	0 .20	1541	2.53	3.79
NRLUW122M220V35X35SF	220	1200	35x35	0 .20	1541	2.48	3.72
NRLUW152M220V30X50SF	220	1500	30x50	0 .20	1723	2.97	4.45
NRLUW152M220V35X40SF	220	1500	35x40	0 .20	1723	2.50	3.75
NRLUW182M220V30X60SF	220	1800	30x60	0 .20	1887	3.43	5.14
NRLUW182M220V35X45SF	220	1800	35x45	0 .20	1887	3.04	4.56
NRLUW222M220V35X55SF	220	2200	35x55	0 .20	2087	3.18	4.77
NRLUW271M250V22X25SF	250	270	22x25	0 .20	779	1.32	1.98
NRLUW331M250V22X30SF	250	330	22x30	0 .20	861	1.54	2.31
NRLUW331M250V25X25SF	250	330	25x25	0 .20	861	1.45	2.17
NRLUW391M250V22X35SF	250	390	22x35	0 .20	936	1.75	2.62
NRLUW391M250V25X30SF	250	390	25x30	0 .20	936	1.68	2.52
NRLUW471M250V22X40SF	250	470	22x40	0 .20	1028	1.97	2.95
NRLUW471M250V25X30SF	250	470	25x30	0 .20	1028	1.75	2.62
NRLUW561M250V22X45SF	250	560	22x45	0 .20	1122	2.20	3.30
NRLUW561M250V25X35SF	250	560	25x35	0 .20	1122	1.99	2.98
NRLUW561M250V30X25SF	250	560	30x25	0 .20	1122	1.63	2.44
NRLUW681M250V22X50SF	250	680	22x50	0 .20	1236	2.45	3.67
NRLUW681M250V25X40SF	250	680	25x40	0 .20	1236	2.25	3.37
NRLUW681M250V30X30SF	250	680	30x30	0 .20	1236	1.92	2.88
NRLUW681M250V35X25SF	250	680	35x25	0 .20	1236	1.80	2.70
NRLUW821M250V22X60SF	250	820	22x60	0 .20	1358	2.81	4.21
NRLUW821M250V25X45SF	250	820	25x45	0 .20	1358	2.49	3.73
NRLUW821M250V30X35SF	250	820	30x35	0 .20	1358	2.19	3.28
NRLUW821M250V35X30SF	250	820	35x30	0 .20	1358	1.94	2.91
NRLUW102M250V25X55SF	250	1000	25x55	0 .20	1500	2.91	4.36
NRLUW102M250V30X40SF	250	1000	30x40	0 .20	1500	2.44	3.66
NRLUW102M250V35X35SF	250	1000	35x35	0 .20	1500	2.38	3.57
NRLUW122M250V30X45SF	250	1200	30x45	0 .20	1643	2.68	4.02
NRLUW122M250V35X40SF	250	1200	35x40	0 .20	1643	2.47	3.70
NRLUW152M250V30X55SF	250	1500	30x55	0 .20	1837	3.15	4.72
NRLUW152M250V35X45SF	250	1500	35x45	0 .20	1837	2.92	4.38
NRLUW182M250V35X50SF	250	1800	35x50	0 .20	2012	3.04	4.56
NRLUW222M250V35X60SF	250	2200	35x60	0 .20	2224	3.37	5.05
NRLUW151M315V22X25SF	315	150	22x25	0 .20	652	1.00	1.40
NRLUW181M315V22X30SF	315	180	22x30	0 .20	714	1.14	1.59
NRLUW221M315V22X35SF	315	220	22x35	0 .20	789	1.31	1.83
NRLUW221M315V25X25SF	315	220	25x25	0 .20	789	1.20	1.68
NRLUW271M315V22X40SF	315	270	22x40	0 .20	874	1.49	2.08
NRLUW271M315V25X30SF	315	270	25x30	0 .20	874	1.39	1.94
NRLUW331M315V22X45SF	315	330	22x45	0 .20	967	1.69	2.36
NRLUW331M315V25X35SF	315	330	25x35	0 .20	967	1.59	2.22

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Part Number	Voltage (VDC)	Cap (µF)	Case Size D x L (mm)	Dissipation Factor	Max. Leakage Current (µA)	Max. Ripple Current (Arms @ 105°C)	
						120Hz	10KHz ~ up
NRLUW331M315V30X25SF	315	330	30x25	0 .20	967	1.41	1.97
NRLUW391M315V22X50SF	315	390	22x50	0 .20	1051	1.87	2.61
NRLUW391M315V25X40SF	315	390	25x40	0 .20	1051	1.78	2.49
NRLUW391M315V30X30SF	315	390	30x30	0 .20	1051	1.63	2.28
NRLUW391M315V35X25SF	315	390	35x25	0 .20	1051	1.48	2.07
NRLUW471M315V22X55SF	315	470	22x55	0 .20	1154	2.09	2.92
NRLUW471M315V25X45SF	315	470	25x45	0 .20	1154	1.99	2.78
NRLUW471M315V30X35SF	315	470	30x35	0 .20	1154	1.86	2.60
NRLUW471M315V35X30SF	315	470	35x30	0 .20	1154	1.74	2.43
NRLUW561M315V22X60SF	315	560	22x60	0 .20	1260	2.29	3.20
NRLUW561M315V25X50SF	315	560	25x50	0 .20	1260	2.21	3.09
NRLUW561M315V30X40SF	315	560	30x40	0 .20	1260	2.08	2.91
NRLUW561M315V35X30SF	315	560	35x30	0 .20	1260	1.76	2.46
NRLUW681M315V25X55SF	315	680	25x55	0 .20	1388	2.44	3.41
NRLUW681M315V30X45SF	315	680	30x45	0 .20	1388	2.32	3.24
NRLUW681M315V35X35SF	315	680	35x35	0 .20	1388	2.01	2.81
NRLUW821M315V25X60SF	315	820	25x60	0 .20	1524	2.68	3.75
NRLUW821M315V30X50SF	315	820	30x50	0 .20	1524	2.55	3.57
NRLUW821M315V35X40SF	315	820	35x40	0 .20	1524	2.26	3.16
NRLUW102M315V30X55SF	315	1000	30x55	0 .20	1683	2.78	3.89
NRLUW102M315V35X50SF	315	1000	35x50	0 .20	1683	2.70	3.78
NRLUW122M315V30X60SF	315	1200	30x60	0 .20	1844	3.01	4.21
NRLUW122M315V35X55SF	315	1200	35x55	0 .20	1844	2.92	4.08
NRLUW152M315V35X60SF	315	1500	35x60	0 .20	2062	3.12	4.36
NRLUW121M350V22X25SF	350	120	22x25	0 .20	614	0.92	1.28
NRLUW151M350V22X30SF	350	150	22x30	0 .20	687	1.08	1.51
NRLUW181M350V22X35SF	350	180	22x35	0 .20	752	1.22	1.70
NRLUW181M350V25X25SF	350	180	25x25	0 .20	752	1.13	1.58
NRLUW221M350V22X40SF	350	220	22x40	0 .20	832	1.39	1.94
NRLUW221M350V25X30SF	350	220	25x30	0 .20	832	1.30	1.82
NRLUW271M350V22X45SF	350	270	22x45	0 .20	922	1.57	2.19
NRLUW271M350V25X35SF	350	270	25x35	0 .20	922	1.49	2.08
NRLUW271M350V30X25SF	350	270	30x25	0 .20	922	1.34	1.87
NRLUW331M350V22X50SF	350	330	22x50	0 .20	1019	1.77	2.47
NRLUW331M350V25X40SF	350	330	25x40	0 .20	1019	1.69	2.36
NRLUW331M350V30X30SF	350	330	30x30	0 .20	1019	1.56	2.18
NRLUW331M350V35X25SF	350	330	35x25	0 .20	1019	1.42	1.98
NRLUW391M350V22X55SF	350	390	22x55	0 .20	1108	1.96	2.74
NRLUW391M350V25X45SF	350	390	25x45	0 .20	1108	1.88	2.63
NRLUW391M350V30X35SF	350	390	30x35	0 .20	1108	1.77	2.47
NRLUW391M350V35X30SF	350	390	35x30	0 .20	1108	1.66	2.32
NRLUW471M350V22X60SF	350	470	22x60	0 .20	1216	2.17	3.03
NRLUW471M350V25X50SF	350	470	25x50	0 .20	1216	2.09	2.92
NRLUW471M350V30X40SF	350	470	30x40	0 .20	1216	1.99	2.78

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						120Hz	10KHz ~ up
NRLUW471M350V35X35SF	350	470	35x35	0 .20	1216	1.90	2.66
NRLUW561M350V25X55SF	350	560	25x55	0 .20	1328	2.30	3.22
NRLUW561M350V30X45SF	350	560	30x45	0 .20	1328	2.20	3.08
NRLUW561M350V35X40SF	350	560	35x40	0 .20	1328	2.13	2.98
NRLUW681M350V30X50SF	350	680	30x50	0 .20	1463	2.43	3.40
NRLUW681M350V35X40SF	350	680	35x40	0 .20	1463	2.17	3.03
NRLUW821M350V30X55SF	350	820	30x55	0 .20	1607	2.65	3.71
NRLUW821M350V35X45SF	350	820	35x45	0 .20	1607	2.39	3.34
NRLUW102M350V35X50SF	350	1000	35x50	0 .20	1774	2.61	3.65
NRLUW122M350V35X60SF	350	1200	35x60	0 .20	1944	3.01	4.21
NRLUW121M385V22X25SF	385	120	22X25	0 .20	644	0.93	1.30
NRLUW151M385V22X30SF	385	150	22X30	0 .20	720	1.08	1.51
NRLUW181M385V22X30SF	385	180	22X30	0 .20	789	1.17	1.63
NRLUW181M385V25X25SF	385	180	25X25	0 .20	789	1.13	1.58
NRLUW221M385V22X35SF	385	220	22X35	0 .20	873	1.33	1.86
NRLUW221M385V25X30SF	385	220	25X30	0 .20	873	1.31	1.83
NRLUW271M385V22X45SF	385	270	22X45	0 .20	967	1.58	2.21
NRLUW271M385V25X35SF	385	270	25X35	0 .20	967	1.50	2.10
NRLUW271M385V30X25SF	385	270	30X25	0 .20	967	1.33	1.86
NRLUW331M385V22X50SF	385	330	22X50	0 .20	1069	1.78	2.49
NRLUW331M385V25X40SF	385	330	25X40	0 .20	1069	1.70	2.38
NRLUW331M385V30X30SF	385	330	30X30	0 .20	1069	1.55	2.17
NRLUW331M385V35X25SF	385	330	35X25	0 .20	1069	1.40	1.96
NRLUW391M385V22X60SF	385	390	22X60	0 .20	1162	2.03	2.84
NRLUW391M385V25X45SF	385	390	25X45	0 .20	1162	1.88	2.63
NRLUW391M385V30X35SF	385	390	30X35	0 .20	1162	1.76	2.46
NRLUW391M385V35X30SF	385	390	35X30	0 .20	1162	1.64	2.29
NRLUW471M385V25X55SF	385	470	25X55	0 .20	1276	2.18	3.05
NRLUW471M385V30X40SF	385	470	30X40	0 .20	1276	1.97	2.75
NRLUW471M385V35X35SF	385	470	35X35	0 .20	1276	1.87	2.61
NRLUW561M385V25X60SF	385	560	25X60	0 .20	1392	2.39	3.34
NRLUW561M385V30X45SF	385	560	30X45	0 .20	1392	2.18	3.05
NRLUW561M385V35X35SF	385	560	35X35	0 .20	1392	1.89	2.64
NRLUW681M385V30X50SF	385	680	30X50	0 .20	1534	2.40	3.36
NRLUW681M385V35X40SF	385	680	35X40	0 .20	1534	2.12	2.96
NRLUW821M385V30X60SF	385	820	30X60	0 .20	1685	2.76	3.86
NRLUW821M385V35X50SF	385	820	35X50	0 .20	1685	2.53	3.54
NRLUW102M385V35X55SF	385	1000	35X55	0 .20	1861	2.74	3.83
NRLUW121M400V22X25SF	400	120	22x25	0 .20	657	0.91	1.27
NRLUW151M400V22X30SF	400	150	22x30	0 .20	734	1.06	1.48
NRLUW151M400V25X25SF	400	150	25x25	0 .20	734	1.04	1.45
NRLUW181M400V22X35SF	400	180	22x35	0 .20	804	1.21	1.69
NRLUW181M400V25X30SF	400	180	25x30	0 .20	804	1.19	1.66
NRLUW221M400V22X40SF	400	220	22x40	0 .20	889	1.37	1.91

NRLUW Series
Large Can Aluminum Electrolytic Capacitors

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ROHS/REACH COMPLIANT HALOGEN FREE

NIC Components Corp.

Part Number	Voltage (VDC)	Cap (µF)	Case Size D x L (mm)	Dissipation Factor	Max. Leakage Current (µA)	Max. Ripple Current (Arms @ 105°C)	
						120Hz	10KHz ~ up
NRLUW221M400V25X30SF	400	220	25x30	0 .20	889	1.28	1.79
NRLUW221M400V30X25SF	400	220	30x25	0 .20	889	1.25	1.75
NRLUW271M400V22X45SF	400	270	22x45	0 .20	985	1.56	2.18
NRLUW271M400V25X35SF	400	270	25x35	0 .20	985	1.47	2.05
NRLUW271M400V30X30SF	400	270	30x30	0 .20	985	1.45	2.03
NRLUW331M400V22X55SF	400	330	22x55	0 .20	1089	1.81	2.53
NRLUW331M400V25X40SF	400	330	25x40	0 .20	1089	1.66	2.32
NRLUW331M400V30X30SF	400	330	30x30	0 .20	1089	1.55	2.17
NRLUW331M400V35X25SF	400	330	35x25	0 .20	1089	1.36	1.90
NRLUW391M400V25X50SF	400	390	25x50	0 .20	1184	1.93	2.70
NRLUW391M400V30X35SF	400	390	30x35	0 .20	1184	1.72	2.40
NRLUW391M400V35X30SF	400	390	35x30	0 .20	1184	1.61	2.25
NRLUW471M400V25X55SF	400	470	25x55	0 .20	1300	2.14	2.99
NRLUW471M400V30X40SF	400	470	30x40	0 .20	1300	1.93	2.70
NRLUW471M400V35X35SF	400	470	35x35	0 .20	1300	1.83	2.56
NRLUW561M400V30X45SF	400	560	30x45	0 .20	1419	2.13	2.98
NRLUW561M400V35X40SF	400	560	35x40	0 .20	1419	2.04	2.85
NRLUW681M400V30X55SF	400	680	30x55	0 .20	1564	2.48	3.47
NRLUW681M400V35X45SF	400	680	35x45	0 .20	1564	2.26	3.16
NRLUW821M400V35X50SF	400	820	35x50	0 .20	1718	2.47	3.45
NRLUW102M400V35X60SF	400	1000	35x60	0 .20	1897	2.85	3.99
NRLUW101M420V22X25SF	420	100	22x25	0 .20	614	0.85	1.19
NRLUW121M420V22X30SF	420	120	22x30	0 .20	673	0.97	1.35
NRLUW151M420V22X35SF	420	150	22x35	0 .20	752	1.12	1.56
NRLUW151M420V25X25SF	420	150	25x25	0 .20	752	1.03	1.44
NRLUW181M420V22X40SF	420	180	22x40	0 .20	824	1.26	1.76
NRLUW181M420V25X30SF	420	180	25x30	0 .20	824	1.19	1.66
NRLUW221M420V22X45SF	420	220	22x45	0 .20	911	1.43	2.00
NRLUW221M420V25X35SF	420	220	25x35	0 .20	911	1.36	1.90
NRLUW221M420V30X25SF	420	220	30x25	0 .20	911	1.23	1.72
NRLUW271M420V22X50SF	420	270	22x50	0 .20	1010	1.61	2.25
NRLUW271M420V25X40SF	420	270	25x40	0 .20	1010	1.55	2.17
NRLUW271M420V30X30SF	420	270	30x30	0 .20	1010	1.44	2.01
NRLUW271M420V35X25SF	420	270	35x25	0 .20	1010	1.32	1.84
NRLUW331M420V22X60SF	420	330	22x60	0 .20	1116	1.86	2.60
NRLUW331M420V25X45SF	420	330	25x45	0 .20	1116	1.74	2.43
NRLUW331M420V30X35SF	420	330	30x35	0 .20	1116	1.64	2.29
NRLUW331M420V35X30SF	420	330	35x30	0 .20	1116	1.55	2.17
NRLUW391M420V25X55SF	420	390	25x55	0 .20	1214	2.00	2.80
NRLUW391M420V30X40SF	420	390	30x40	0 .20	1214	1.83	2.56
NRLUW391M420V35X35SF	420	390	35x35	0 .20	1214	1.76	2.46
NRLUW471M420V25X60SF	420	470	25x60	0 .20	1332	2.20	3.08
NRLUW471M420V30X45SF	420	470	30x45	0 .20	1332	2.04	2.85
NRLUW471M420V35X35SF	420	470	35x35	0 .20	1332	1.80	2.52

NRLUW Series
Large Can Aluminum Electrolytic Capacitors

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NIC Components Corp.

Part Number	Voltage (VDC)	Cap (µF)	Case Size D x L (mm)	Dissipation Factor	Max. Leakage Current (µA)	Max. Ripple Current (Arms @ 105°C)	
						120Hz	10KHz ~ up
NRLUW561M420V30X50SF	420	560	30x50	0 .20	1454	2.24	3.13
NRLUW561M420V35X40SF	420	560	35x40	0 .20	1454	2.07	2.89
NRLUW681M420V30X60SF	420	680	30x60	0 .20	1603	2.57	3.59
NRLUW681M420V35X50SF	420	680	35x50	0 .20	1603	2.43	3.40
NRLUW821M420V35X55SF	420	820	35x55	0 .20	1760	2.60	3.64
NRLUW101M450V22X25SF	450	100	22x25	0 .20	636	0.85	1.19
NRLUW121M450V22X30SF	450	120	22x30	0 .20	697	0.98	1.37
NRLUW121M450V25X25SF	450	120	25x25	0 .20	697	0.96	1.34
NRLUW151M450V22X35SF	450	150	22x35	0 .20	779	1.13	1.58
NRLUW151M450V25X30SF	450	150	25x30	0 .20	779	1.12	1.56
NRLUW181M450V22X40SF	450	180	22x40	0 .20	853	1.27	1.77
NRLUW181M450V25X30SF	450	180	25x30	0 .20	853	1.19	1.66
NRLUW181M450V30X25SF	450	180	30x25	0 .20	853	1.17	1.63
NRLUW221M450V22X45SF	450	220	22x45	0 .20	943	1.44	2.01
NRLUW221M450V25X35SF	450	220	25x35	0 .20	943	1.37	1.91
NRLUW221M450V30X30SF	450	220	30x30	0 .20	943	1.36	1.90
NRLUW221M450V35X25SF	450	220	35x25	0 .20	943	1.27	1.77
NRLUW271M450V22X55SF	450	270	22x55	0 .20	1045	1.68	2.35
NRLUW271M450V25X45SF	450	270	25x45	0 .20	1045	1.62	2.26
NRLUW271M450V30X30SF	450	270	30x30	0 .20	1045	1.43	2.00
NRLUW271M450V35X30SF	450	270	35x30	0 .20	1045	1.48	2.07
NRLUW331M450V25X50SF	450	330	25x50	0 .20	1156	1.82	2.54
NRLUW331M450V30X40SF	450	330	30x40	0 .20	1156	1.75	2.45
NRLUW331M450V35X30SF	450	330	35x30	0 .20	1156	1.53	2.14
NRLUW391M450V25X55SF	450	390	25x55	0 .20	1256	2.00	2.80
NRLUW391M450V30X45SF	450	390	30x45	0 .20	1256	1.93	2.70
NRLUW391M450V35X35SF	450	390	35x35	0 .20	1256	1.74	2.43
NRLUW471M450V30X50SF	450	470	30x50	0 .20	1379	2.14	2.99
NRLUW471M450V35X40SF	450	470	35x40	0 .20	1379	1.95	2.73
NRLUW561M450V30X55SF	450	560	30x55	0 .20	1505	2.36	3.30
NRLUW561M450V35X45SF	450	560	35x45	0 .20	1505	2.16	3.02
NRLUW681M450V35X50SF	450	680	35x50	0 .20	1659	2.41	3.37
NRLUW680M475V22X25SF	475	68	22X25	0.25	539	0.68	0.95
NRLUW820M475V22X30SF	475	82	22X30	0.25	592	0.78	1.09
NRLUW101M475V22X35SF	475	100	22X35	0.25	654	0.90	1.26
NRLUW101M475V25X25SF	475	100	25X25	0.25	654	0.85	1.19
NRLUW121M475V22X35SF	475	120	22X35	0.25	716	0.98	1.37
NRLUW121M475V25X30SF	475	120	25X30	0.25	716	0.97	1.35
NRLUW151M475V22X45SF	475	150	22X45	0.25	801	1.16	1.62
NRLUW151M475V25X35SF	475	150	25X35	0.25	801	1.12	1.56
NRLUW151M475V30X25SF	475	150	30X25	0.25	801	1.05	1.47
NRLUW181M475V22X50SF	475	180	22X50	0.25	877	1.30	1.82
NRLUW181M475V25X40SF	475	180	25X40	0.25	877	1.26	1.76
NRLUW181M475V30X30SF	475	180	30X30	0.25	877	1.21	1.69

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NIC Components Corp.

Part Number	Voltage (VDC)	Cap (µF)	Case Size D x L (mm)	Dissipation Factor	Max. Leakage Current (µA)	Max. Ripple Current (Arms @ 105°C)	
						120Hz	10KHz ~ up
NRLUW181M475V35X25SF	475	180	35X25	0.25	877	1.17	1.63
NRLUW221M475V22X60SF	475	220	22X60	0.25	970	1.50	2.10
NRLUW221M475V25X45SF	475	220	25X45	0.25	970	1.43	2.00
NRLUW221M475V30X35SF	475	220	30X35	0.25	970	1.38	1.93
NRLUW221M475V35X30SF	475	220	35X30	0.25	970	1.36	1.90
NRLUW271M475V25X50SF	475	270	25X50	0.25	1074	1.61	2.25
NRLUW271M475V30X40SF	475	270	30X40	0.25	1074	1.57	2.19
NRLUW271M475V35X30SF	475	270	35X30	0.25	1074	1.43	2.00
NRLUW331M475V25X60SF	475	330	25X60	0.25	1188	1.85	2.59
NRLUW331M475V30X45SF	475	330	30X45	0.25	1188	1.76	2.46
NRLUW331M475V35X35SF	475	330	35X35	0.25	1188	1.63	2.28
NRLUW391M475V30X50SF	475	390	30X50	0.25	1291	1.94	2.71
NRLUW391M475V35X40SF	475	390	35X40	0.25	1291	1.82	2.54
NRLUW471M475V30X60SF	475	470	30X60	0.25	1417	2.22	3.10
NRLUW471M475V35X45SF	475	470	35X45	0.25	1417	2.02	2.82
NRLUW561M475V35X55SF	475	560	35X55	0.25	1547	2.34	3.27
NRLUW560M500V22X25SF	500	56	22X25	0.25	502	0.64	0.89
NRLUW680M500V22X30SF	500	68	22X30	0.25	553	0.73	1.02
NRLUW820M500V22X30SF	500	82	22X30	0.25	607	0.80	1.12
NRLUW820M500V25X25SF	500	82	25X25	0.25	607	0.79	1.10
NRLUW101M500V22X35SF	500	100	22X35	0.25	671	0.92	1.28
NRLUW101M500V25X30SF	500	100	25X30	0.25	671	0.91	1.27
NRLUW121M500V22X40SF	500	120	22X40	0.25	735	1.03	1.44
NRLUW121M500V25X35SF	500	120	25X35	0.25	735	1.04	1.45
NRLUW121M500V30X25SF	500	120	30X25	0.25	735	0.98	1.37
NRLUW151M500V22X50SF	500	150	22X50	0.25	822	1.22	1.70
NRLUW151M500V25X40SF	500	150	25X40	0.25	822	1.19	1.66
NRLUW151M500V30X30SF	500	150	30X30	0.25	822	1.14	1.59
NRLUW151M500V35X25SF	500	150	35X25	0.25	822	1.11	1.55
NRLUW181M500V22X60SF	500	180	22X60	0.25	900	1.39	1.94
NRLUW181M500V25X45SF	500	180	25X45	0.25	900	1.33	1.86
NRLUW181M500V30X35SF	500	180	30X35	0.25	900	1.30	1.82
NRLUW181M500V35X30SF	500	180	35X30	0.25	900	1.28	1.79
NRLUW221M500V25X50SF	500	220	25X50	0.25	995	1.50	2.10
NRLUW221M500V30X40SF	500	220	30X40	0.25	995	1.47	2.05
NRLUW221M500V35X30SF	500	220	35X30	0.25	995	1.35	1.89
NRLUW271M500V25X60SF	500	270	25X60	0.25	1102	1.73	2.42
NRLUW271M500V30X45SF	500	270	30X45	0.25	1102	1.65	2.31
NRLUW271M500V35X35SF	500	270	35X35	0.25	1102	1.54	2.15
NRLUW331M500V30X55SF	500	330	30X55	0.25	1219	1.91	2.67
NRLUW331M500V35X40SF	500	330	35X40	0.25	1219	1.74	2.43
NRLUW391M500V30X60SF	500	390	30X60	0.25	1325	2.10	2.94
NRLUW391M500V35X45SF	500	390	35X45	0.25	1325	1.92	2.68
NRLUW471M500V35X55SF	500	470	35X55	0.25	1454	2.23	3.12