## CHEMI-CON LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS



- OLineup of high withstand voltage products for server power supplies and solar power generation applications
- Endurance with ripple current: 3,000 hours at 105°C
- Non solvent resistant type
- RoHS2 Compliant



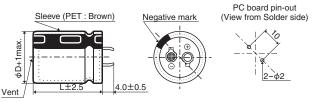


#### **SPECIFICATIONS**

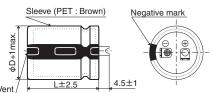
Items			Charact	eristics							
Category Temperature Range	-40 to +105℃										
Rated Voltage Range	400 to 500V <sub>dc</sub>										
Capacitance Tolerance	±20% (M)	±20% (M) (at 20℃, 120Hz)									
Leakage Current	I≦3√CV Where, I: Max. leakage of	current (μΑ), C: Nor	minal capacitance (µl	F), V: Rated voltage (V) (a	at 20℃ after 5 minutes)						
Dissipation Factor	Rated voltage (Vdc)	400 to 500V									
(tan δ)	tan δ (Max.)	0.20			(at 20°C, 120Hz)						
Low Temperature	Rated voltage (Vdc)	400 to 500V									
Characteristics	Z(-25°C)/Z(+20°C)	8									
(Max. Impedance Ratio)			•		(at 120Hz)						
Endurance	are restored to 20℃ after subjected to DC ed voltage) for 3,000 hours at 105℃.	voltage with the rated									
	Capacitance change	≦±20% of the init	tial value								
	D.F. (tan δ )	≦200% of the initi	al specified value								
	Leakage current	≦The initial specif	fied value								
Shelf Life	0 hours at 105°C without tem 4.1 of JIS C 5101-4.										
	Capacitance change	≦±15% of the init	tial value								
	D.F. (tan $\delta$ )	≦150% of the initi	al specified value								
	Leakage current	≦The initial specif	fied value								

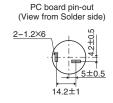
#### **◆DIMENSIONS** [mm]

•Terminal Code : VS (φ25.4 to φ35) : Standard



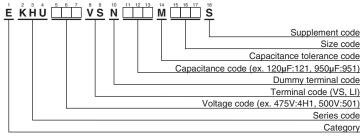
•Terminal Code : LI (φ30, φ35)





The standard design has no plastic disc.

#### **◆PART NUMBERING SYSTEM**



Please refer to "Product code guide (snap-in type)"



# CHEMI-CON LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS



#### **STANDARD RATINGS**

<b>4</b> 01	AIIDA	RD RAIII	100								
WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.	WV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
	240	25.4 × 25	0.20	1.17	EKHU401VSN241MQ25S		850	30 × 50	0.20	2.52	EKHU421VSN851MR50S
	310	25.4 × 30	0.20	1.37	EKHU401VSN311MQ30S		850	35 × 40	0.20	2.23	EKHU421VSN851MA40S
	360	30 × 25	0.20	1.48	EKHU401VSN361MR25S		960	30 × 55	0.20	2.73	EKHU421VSN961MR55S
	380	25.4 × 35	0.20	1.58	EKHU401VSN381MQ35S		980	35 × 45	0.20	2.45	EKHU421VSN981MA45S
	450	25.4 × 40	0.20	1.75	EKHU401VSN451MQ40S		1,040	30 × 60	0.20	2.90	EKHU421VSN1A2MR60S
	460	35 × 25	0.20	1.53	EKHU401VSN461MA25S		1,100	30 × 65	0.20	3.04	EKHU421VSN112MR65S
	470	30 × 30	0.20	1.71	EKHU401VSN471MR30S		1,120	35 × 50	0.20	2.68	EKHU421VSN112MA50S
	520	25.4 × 45	0.20	1.92	EKHU401VSN521MQ45S	400	1,180	30 × 70	0.20	3.20	EKHU421VSN122MR70S
	580	30 × 35	0.20	1.94	EKHU401VSN581MR35S	420	1,250	30 × 75	0.20	3.35	EKHU421VSN1C2MR75S
	590	25.4 × 50	0.20	2.08	EKHU401VSN591MQ50S		1,260	35 × 55	0.20	2.86	EKHU421VSN1C2MA55S
	600	35 × 30	0.20	1.78	EKHU401VSN601MA30S		1,340	30×80	0.20	3.52	EKHU421VSN1D2MR80S
	660	25.4 × 55	0.20	2.24	EKHU401VSN661MQ55S		1,400	35 × 60	0.20	3.04	EKHU421VSN142MA60S
	680	30 × 40	0.20	2.16	EKHU401VSN681MR40S		1,420	35 × 65	0.20	3.12	EKHU421VSN142MA65S
	720	25.4 × 60	0.20	2.38	EKHU401VSN721MQ60S		1,550	35×70	0.20	3.32	EKHU421VSN1F2MA70S
	750	35 × 35	0.20	2.02	EKHU401VSN751MA35S		1,680	35 × 75	0.20	3.51	EKHU421VSN172MA75S
	790	30 × 45	0.20	2.39	EKHU401VSN791MR45S		1,810	35 × 80	0.20	3.71	EKHU421VSN182MA80S
400	890	35 × 40	0.20	2.28	EKHU401VSN891MA40S		200	25.4 × 25	0.20	1.07	EKHU451VSN201MQ25S
	900	30 × 50	0.20	2.60	EKHU401VSN901MR50S		260	25.4 × 30	0.20	1.25	EKHU451VSN261MQ30S
	1,010	30 × 55	0.20	2.80	EKHU401VSN102MR55S		310	30 × 25	0.20	1.37	EKHU451VSN311MR25S
	1,040	35 × 45	0.20	2.53	EKHU401VSN1A2MA45S		320	25.4 × 35	0.20	1.45	EKHU451VSN321MQ35S
	1,090	30 × 60	0.20	2.97	EKHU401VSN112MR60S		390	25.4 × 40	0.20	1.63	EKHU451VSN391MQ40S
	1,160	30 × 65	0.20	3.12	EKHU401VSN1B2MR65S		390	35 × 25	0.20	1.41	EKHU451VSN391MA25S
	1,180	35 × 50	0.20	2.75	EKHU401VSN122MA50S		400	30 × 30	0.20	1.57	EKHU451VSN401MR30S
	1,240	30 × 70	0.20	3.28	EKHU401VSN1C2MR70S		450	25.4 × 45	0.20	1.79	EKHU451VSN451MQ45S
	1,310	30 × 75	0.20	3.43	EKHU401VSN132MR75S		490	30 × 35	0.20	1.78	EKHU451VSN491MR35S
	1,320	35 × 55	0.20	2.93	EKHU401VSN132MA55S		510	25.4 × 50	0.20	1.94	EKHU451VSN511MQ50S
	1,410	30 × 80	0.20	3.61	EKHU401VSN142MR80S		520	35 × 30	0.20	1.66	EKHU451VSN521MA30S
	1,470	35 × 60	0.20	3.11	EKHU401VSN1E2MA60S		570	25.4 × 55	0.20	2.08	EKHU451VSN571MQ55S
	1,500	35 × 65	0.20	3.21	EKHU401VSN152MA65S		590	30 × 40	0.20	2.02	EKHU451VSN591MR40S
	1,630	35 × 65	0.20	3.40	EKHU401VSN1G2MA70S		620	25.4 × 60	0.20	2.02	EKHU451VSN621MQ60S
	1,770	35 × 75	0.20	3.61	EKHU401VSN1H2MA75S		640	35 × 35	0.20	1.87	EKHU451VSN641MA35S
	1,770	35 × 75	0.20	3.81	EKHU401VSN192MA80S		680	30 × 45	0.20	2.22	EKHU451VSN681MR45S
	220	25.4 × 25	0.20	1.12	EKHU421VSN221MQ25S	450	770	30 × 45	0.20	2.40	EKHU451VSN771MR50S
		25.4 × 25	0.20	1.32			770		0.20	2.40	
	290 340	30 × 25	0.20	1.32	EKHU421VSN291MQ30S EKHU421VSN341MR25S		860	35 × 40 30 × 55	0.20	2.12	EKHU451VSN771MA40S EKHU451VSN861MR55S
	360	25.4 × 35	0.20	1.44	EKHU421VSN361MQ35S		890	35 × 45	0.20	2.34	EKHU451VSN891MA45S
			0.20						0.20	2.76	
	430	25.4 × 40		1.72	EKHU421VSN431MQ40S		940	30 × 60			EKHU451VSN941MR60S
	430	35 × 25	0.20	1.48	EKHU421VSN431MA25S		1,010	30 × 65	0.20	2.91	EKHU451VSN102MR65S
	440	30 × 30	0.20	1.65	EKHU421VSN441MR30S		1,020	35 × 50	0.20	2.56	EKHU451VSN102MA50S
420	490	25.4 × 45	0.20	1.87	EKHU421VSN491MQ45S		1,080	30 × 70	0.20	3.06	EKHU451VSN112MR70S
	550	30 × 35	0.20	1.89	EKHU421VSN551MR35S		1,140	30 × 75	0.20	3.20	EKHU451VSN1B2MR75S
	560	25.4 × 50	0.20	2.03	EKHU421VSN561MQ50S		1,140	35 × 55	0.20	2.72	EKHU451VSN1B2MA55S
	570	35 × 30	0.20	1.74	EKHU421VSN571MA30S		1,230	30 × 80	0.20	3.38	EKHU451VSN1C2MR80S
	630	25.4 × 55	0.20	2.19	EKHU421VSN631MQ55S		1,260	35 × 60	0.20	2.88	EKHU451VSN1C2MA60S
	650	30 × 40	0.20	2.12	EKHU421VSN651MR40S		1,300	35 × 65	0.20	2.98	EKHU451VSN132MA65S
	680	25.4 × 60	0.20	2.31	EKHU421VSN681MQ60S		1,410	35 × 70	0.20	3.16	EKHU451VSN142MA70S
	710	35 × 35	0.20	1.97	EKHU421VSN711MA35S		1,530	35 × 75	0.20	3.35	EKHU451VSN1F2MA75S
	750	30 × 45	0.20	2.33	EKHU421VSN751MR45S		1,650	35 × 80	0.20	3.54	EKHU451VSN1G2MA80S

# CHEMI-CON LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS



#### **STANDARD RATINGS**

wv	Cap	Case size		Rated ripple current		wv	Сар	Case size	tan δ (A	Ra
(V <sub>dc</sub> )	(μF)	φD×L(mm)	tan δ	(Arms/ 105°C, 120Hz)	Part No.	(V <sub>dc</sub> )	(µF)	φD×L(mm)		(A
	160	25.4 × 25	0.20	1.07	EKHU4H1VSN161MQ25S		120	25.4 × 25	0.20	Г
	200	25.4 × 30	0.20	1.23	EKHU4H1VSN201MQ30S		170	$25.4 \times 30$	0.20	
	240	30 × 25	0.20	1.38	EKHU4H1VSN241MR25S		190	30 × 25	0.20	Г
	250	25.4 × 35	0.20	1.43	EKHU4H1VSN251MQ35S		210	25.4 × 35	0.20	
	280	35 × 25	0.20	1.48	EKHU4H1VSN281MA25S		250	25.4 × 40	0.20	L
	300	25.4 × 40	0.20	1.60	EKHU4H1VSN301MQ40S		250	30 × 30	0.20	L
	310	30 × 30	0.20	1.59	EKHU4H1VSN311MR30S		260	35 × 25	0.20	L
	350	25.4 × 45	0.20	1.76	EKHU4H1VSN351MQ45S		300	25.4 × 45	0.20	
	380	30 × 35	0.20	1.80	EKHU4H1VSN381MR35S		320	30 × 35	0.20	
	380	35 × 30	0.20	1.75	EKHU4H1VSN381MA30S		340	25.4 × 50	0.20	Г
	390	25.4 × 50	0.20	1.89	EKHU4H1VSN391MQ50S		340	35 × 30	0.20	Γ
	440	25.4 × 55	0.20	2.04	EKHU4H1VSN441MQ55S		380	25.4 × 55	0.20	Г
	450	30 × 40	0.20	2.01	EKHU4H1VSN451MR40S		380	30 × 40	0.20	Т
	480	35 × 35	0.20	2.00	EKHU4H1VSN481MA35S		430	25.4 × 60	0.20	Γ
	490	25.4 × 60	0.20	2.19	EKHU4H1VSN491MQ60S		430	35 × 35	0.20	Γ
475	520	30 × 45	0.20	2.22	EKHU4H1VSN521MR45S		500 450 510 520	30 × 45	0.20	Г
475	570	35 × 40	0.20	2.26	EKHU4H1VSN571MA40S	500		30 × 50	0.20	Г
	590	30 × 50	0.20	2.41	EKHU4H1VSN591MR50S			35 × 40	0.20	Г
	660	30 × 55	0.20	2.59	EKHU4H1VSN661MR55S		580	30 × 55	0.20	T
	660	35 × 45	0.20	2.49	EKHU4H1VSN661MA45S		600	35 × 45	0.20	
	730	30 × 60	0.20	2.78	EKHU4H1VSN731MR60S		640	30 × 60	0.20	
	750	30 × 65	0.20	2.87	EKHU4H1VSN751MR65S		680	30 × 65	0.20	Г
	760	35 × 50	0.20	2.72	EKHU4H1VSN761MA50S		690	35 × 50	0.20	Т
	820	30×70	0.20	3.05	EKHU4H1VSN821MR70S		750	30 × 70	0.20	T
	860	35 × 55	0.20	2.96	EKHU4H1VSN861MA55S		780	35 × 55	0.20	T
	890	30 × 75	0.20	3.23	EKHU4H1VSN891MR75S		810	30 × 75	0.20	Г
	950	35 × 60	0.20	3.16	EKHU4H1VSN951MA60S		860	35 × 60	0.20	Г
	960	30 × 80	0.20	3.42	EKHU4H1VSN961MR80S		870	30 × 80	0.20	
	1,010	35 × 65	0.20	3.32	EKHU4H1VSN102MA65S		920	35 × 65	0.20	Γ
	1,110	35 × 70	0.20	3.54	EKHU4H1VSN112MA70S		1,010	35 × 70	0.20	Γ
	1,200	35 × 75	0.20	3.75	EKHU4H1VSN122MA75S		1,090	35 × 75	0.20	Γ
	1,290	35 × 80	0.20	3.96	EKHU4H1VSN132MA80S		1,170	35 × 80	0.20	

120   25.4 × 25   0.20   0.93   EKHU501VSN121MQ25S						, ,	
190   30 × 25   0.20   1.23   EKHU501VSN191MR25S			120	25.4 × 25	0.20	0.93	EKHU501VSN121MQ25S
STATES   Color			170	25.4 × 30	0.20	1.13	EKHU501VSN171MQ30S
SOO   25.4 × 40   0.20			190	30 × 25	0.20	1.23	EKHU501VSN191MR25S
250   30 × 30   0.20   1.43   EKHU501VSN251MR30S			210	25.4 × 35	0.20	1.31	EKHU501VSN211MQ35S
Section			250	25.4 × 40	0.20	1.46	EKHU501VSN251MQ40S
300   25.4 × 45   0.20   1.63   EKHU501VSN301MQ45S			250	30 × 30	0.20	1.43	EKHU501VSN251MR30S
320   30 × 35   0.20   1.65   EKHU501VSN321MR35S     340   25.4 × 50   0.20   1.76   EKHU501VSN341MQ50S     340   35 × 30   0.20   1.66   EKHU501VSN341MA30S     380   25.4 × 55   0.20   1.89   EKHU501VSN381MQ55S     380   30 × 40   0.20   1.85   EKHU501VSN381MR40S     430   25.4 × 60   0.20   2.05   EKHU501VSN431MA30S     430   35 × 35   0.20   1.89   EKHU501VSN431MA30S     430   35 × 35   0.20   1.89   EKHU501VSN431MA30S     450   30 × 45   0.20   2.07   EKHU501VSN451MR45S     510   30 × 50   0.20   2.24   EKHU501VSN511MR50S     520   35 × 40   0.20   2.16   EKHU501VSN521MA40S     580   30 × 55   0.20   2.43   EKHU501VSN581MR5SS     600   35 × 45   0.20   2.37   EKHU501VSN661MA45S     640   30 × 60   0.20   2.60   EKHU501VSN661MR60S     680   30 × 65   0.20   2.73   EKHU501VSN681MR6SS     690   35 × 50   0.20   2.59   EKHU501VSN751MR70S     780   35 × 55   0.20   2.82   EKHU501VSN751MR70S     780   35 × 55   0.20   2.82   EKHU501VSN781MA5SS     810   30 × 75   0.20   3.01   EKHU501VSN861MR60S     870   30 × 80   0.20   3.25   EKHU501VSN861MR60S     870   30 × 80   0.20   3.25   EKHU501VSN861MR60S     920   35 × 65   0.20   3.17   EKHU501VSN921MA66S     1,010   35 × 70   0.20   3.38   EKHU501VSN921MA65S     1,010   35 × 75   0.20   3.58   EKHU501VSN112MA75S			260	35 × 25	0.20	1.43	EKHU501VSN261MA25S
340   25.4 × 50   0.20   1.76   EKHU501VSN341MQ50S     340			300	$25.4 \times 45$	0.20	1.63	EKHU501VSN301MQ45S
340   35 × 30   0.20   1.66   EKHU501VSN341MA30S   380   25.4 × 55   0.20   1.89   EKHU501VSN381MQ55S   380   30 × 40   0.20   1.85   EKHU501VSN381MR40S   430   25.4 × 60   0.20   2.05   EKHU501VSN431MQ60S   430   35 × 35   0.20   1.89   EKHU501VSN431MA35S   450   30 × 45   0.20   2.07   EKHU501VSN451MR45S   510   30 × 50   0.20   2.24   EKHU501VSN511MR50S   520   35 × 40   0.20   2.16   EKHU501VSN521MA40S   580   30 × 55   0.20   2.43   EKHU501VSN521MA40S   660   35 × 45   0.20   2.37   EKHU501VSN601MA45S   660   35 × 45   0.20   2.37   EKHU501VSN601MA45S   660   35 × 50   0.20   2.60   EKHU501VSN641MR60S   680   30 × 65   0.20   2.73   EKHU501VSN681MR65S   690   35 × 50   0.20   2.59   EKHU501VSN761MR70S   750   30 × 70   0.20   2.92   EKHU501VSN751MR70S   780   35 × 55   0.20   2.82   EKHU501VSN781MA50S   810   30 × 75   0.20   3.08   EKHU501VSN861MA60S   870   30 × 80   0.20   3.25   EKHU501VSN861MA60S   920   35 × 65   0.20   3.17   EKHU501VSN921MA65S   1,010   35 × 70   0.20   3.38   EKHU501VSN911MR70S   1,090   35 × 75   0.20   3.58   EKHU501VSN911MA70S			320	30 × 35	0.20	1.65	EKHU501VSN321MR35S
S80   25.4 × 55   0.20   1.89   EKHU501VSN381MQ55S			340	25.4 × 50	0.20	1.76	EKHU501VSN341MQ50S
S80   30 × 40   0.20   1.85   EKHU501VSN381MR40S			340	35 × 30	0.20	1.66	EKHU501VSN341MA30S
1.00			380	25.4 × 55	0.20	1.89	EKHU501VSN381MQ55S
\$\frac{430}{450}			380	30 × 40	0.20	1.85	EKHU501VSN381MR40S
\$\frac{450}{510}  30 \times 45  0.20  2.07  EKHU501VSN451MR45S  510  30 \times 50  0.20  2.24  EKHU501VSN511MR50S  520  35 \times 40  0.20  2.16  EKHU501VSN521MA40S  580  30 \times 55  0.20  2.43  EKHU501VSN581MR55S  600  35 \times 45  0.20  2.37  EKHU501VSN601MA45S  640  30 \times 60  0.20  2.60  EKHU501VSN641MR60S  680  30 \times 65  0.20  2.73  EKHU501VSN681MR65S  690  35 \times 50  0.20  2.59  EKHU501VSN691MA50S  750  30 \times 70  0.20  2.92  EKHU501VSN751MR70S  780  35 \times 55  0.20  2.82  EKHU501VSN781M855S  810  30 \times 75  0.20  3.08  EKHU501VSN811MR75S  860  35 \times 60  0.20  3.25  EKHU501VSN871MR80S  920  35 \times 65  0.20  3.25  EKHU501VSN921MA65S  1,010  35 \times 70  0.20  3.38  EKHU501VSN921MA65S  1,010  35 \times 70  0.20  3.38  EKHU501VSN9102MA70S  1,090  35 \times 75  0.20  3.58  EKHU501VSN112MA75S   55   50  20  3.58  EKHU501VSN112MA75S   20  3.58  EKHU501VSN112MA75S   3.58   20  3.58  EKHU501VSN112MA75S  3.58   20  3.58   EKHU501VSN112MA75S  3.58   20  3.58   20  3.58   3.58   3.58  3.58   3.58  3.58   3.58 \qu			430	25.4 × 60	0.20	2.05	EKHU501VSN431MQ60S
500         510         30 × 50         0.20         2.24         EKHU501VSN511MR50S           520         35 × 40         0.20         2.16         EKHU501VSN521MA40S           580         30 × 55         0.20         2.43         EKHU501VSN581MR55S           600         35 × 45         0.20         2.37         EKHU501VSN601MA45S           640         30 × 60         0.20         2.60         EKHU501VSN641MR60S           680         30 × 65         0.20         2.73         EKHU501VSN691MA50S           750         30 × 70         0.20         2.59         EKHU501VSN751MR70S           780         35 × 55         0.20         2.82         EKHU501VSN781MA55S           810         30 × 75         0.20         3.08         EKHU501VSN8811MR75S           860         35 × 60         0.20         3.01         EKHU501VSN871MR80S           870         30 × 80         0.20         3.25         EKHU501VSN921MA65S           1,010         35 × 70         0.20         3.38         EKHU501VSN102MA70S           1,090         35 × 75         0.20         3.58         EKHU501VSN112MA75S			430	35 × 35	0.20	1.89	EKHU501VSN431MA35S
S10   30 × 50   0.20   2.24   EKHUSOTVSNS11MH50S	50	n L	450	30 × 45	0.20	2.07	EKHU501VSN451MR45S
580         30 × 55         0.20         2.43         EKHU501VSN581MR55S           600         35 × 45         0.20         2.37         EKHU501VSN601MA45S           640         30 × 60         0.20         2.60         EKHU501VSN641MR60S           680         30 × 65         0.20         2.73         EKHU501VSN681MR65S           690         35 × 50         0.20         2.59         EKHU501VSN751MR70S           750         30 × 70         0.20         2.92         EKHU501VSN751MR70S           780         35 × 55         0.20         2.82         EKHU501VSN811MR75S           810         30 × 75         0.20         3.08         EKHU501VSN811MR75S           860         35 × 60         0.20         3.25         EKHU501VSN861MA60S           870         30 × 80         0.20         3.25         EKHU501VSN871MR80S           920         35 × 65         0.20         3.17         EKHU501VSN921MA65S           1,010         35 × 70         0.20         3.38         EKHU501VSN102MA70S           1,090         35 × 75         0.20         3.58         EKHU501VSN112MA75S	30	о <u>Г</u>	510	30 × 50	0.20	2.24	EKHU501VSN511MR50S
600         35 × 45         0.20         2.37         EKHU501VSN601MA45S           640         30 × 60         0.20         2.60         EKHU501VSN641MR60S           680         30 × 65         0.20         2.73         EKHU501VSN691MR65S           690         35 × 50         0.20         2.59         EKHU501VSN751MR70S           750         30 × 70         0.20         2.92         EKHU501VSN751MR70S           780         35 × 55         0.20         2.82         EKHU501VSN811MR55S           810         30 × 75         0.20         3.08         EKHU501VSN811MR75S           860         35 × 60         0.20         3.01         EKHU501VSN861MA60S           870         30 × 80         0.20         3.25         EKHU501VSN921MR60S           920         35 × 65         0.20         3.17         EKHU501VSN921MA65S           1,010         35 × 70         0.20         3.38         EKHU501VSN102MA70S           1,090         35 × 75         0.20         3.58         EKHU501VSN112MA75S			520	35 × 40	0.20	2.16	EKHU501VSN521MA40S
640 30 × 60 0.20 2.60 EKHU501VSN641MR60S 680 30 × 65 0.20 2.73 EKHU501VSN681MR65S 690 35 × 50 0.20 2.59 EKHU501VSN691MA50S 750 30 × 70 0.20 2.92 EKHU501VSN751MR70S 780 35 × 55 0.20 2.82 EKHU501VSN781MR55S 810 30 × 75 0.20 3.08 EKHU501VSN811MR75S 860 35 × 60 0.20 3.01 EKHU501VSN861MA60S 870 30 × 80 0.20 3.25 EKHU501VSN861MA60S 920 35 × 65 0.20 3.17 EKHU501VSN921MA65S 1,010 35 × 70 0.20 3.38 EKHU501VSN921MA65S 1,090 35 × 75 0.20 3.58 EKHU501VSN112MA70S			580	30 × 55	0.20	2.43	EKHU501VSN581MR55S
680 30 × 65 0.20 2.73 EKHU501VSN681MR65S 690 35 × 50 0.20 2.59 EKHU501VSN691MA50S 750 30 × 70 0.20 2.92 EKHU501VSN751MR70S 780 35 × 55 0.20 2.82 EKHU501VSN781MA55S 810 30 × 75 0.20 3.08 EKHU501VSN811MR75S 860 35 × 60 0.20 3.01 EKHU501VSN861MA60S 870 30 × 80 0.20 3.25 EKHU501VSN871MR80S 920 35 × 65 0.20 3.17 EKHU501VSN971MR80S 1,010 35 × 70 0.20 3.38 EKHU501VSN92MA65S 1,090 35 × 75 0.20 3.58 EKHU501VSN102MA70S			600	35 × 45	0.20	2.37	EKHU501VSN601MA45S
690         35 × 50         0.20         2.59         EKHU501VSN691MA50S           750         30 × 70         0.20         2.92         EKHU501VSN751MR70S           780         35 × 55         0.20         2.82         EKHU501VSN781MA55S           810         30 × 75         0.20         3.08         EKHU501VSN811MR75S           860         35 × 60         0.20         3.01         EKHU501VSN861MA60S           870         30 × 80         0.20         3.25         EKHU501VSN871MR80S           920         35 × 65         0.20         3.17         EKHU501VSN921MA65S           1,010         35 × 70         0.20         3.38         EKHU501VSN102MA70S           1,090         35 × 75         0.20         3.58         EKHU501VSN112MA75S			640	30 × 60	0.20	2.60	EKHU501VSN641MR60S
750         30 × 70         0.20         2.92         EKHU501VSN751MR70S           780         35 × 55         0.20         2.82         EKHU501VSN781MA55S           810         30 × 75         0.20         3.08         EKHU501VSN811MR75S           860         35 × 60         0.20         3.01         EKHU501VSN861MA60S           870         30 × 80         0.20         3.25         EKHU501VSN871MR80S           920         35 × 65         0.20         3.17         EKHU501VSN921MA65S           1,010         35 × 70         0.20         3.38         EKHU501VSN102MA70S           1,090         35 × 75         0.20         3.58         EKHU501VSN112MA75S			680	30 × 65	0.20	2.73	EKHU501VSN681MR65S
780         35 × 55         0.20         2.82         EKHU501VSN781MA55S           810         30 × 75         0.20         3.08         EKHU501VSN811MR75S           860         35 × 60         0.20         3.01         EKHU501VSN861MA60S           870         30 × 80         0.20         3.25         EKHU501VSN871MR80S           920         35 × 65         0.20         3.17         EKHU501VSN921MA65S           1,010         35 × 70         0.20         3.38         EKHU501VSN102MA70S           1,090         35 × 75         0.20         3.58         EKHU501VSN112MA75S			690	35 × 50	0.20	2.59	EKHU501VSN691MA50S
810         30 × 75         0.20         3.08         EKHU501VSN811MR75S           860         35 × 60         0.20         3.01         EKHU501VSN861MA60S           870         30 × 80         0.20         3.25         EKHU501VSN871MR80S           920         35 × 65         0.20         3.17         EKHU501VSN921MA65S           1,010         35 × 70         0.20         3.38         EKHU501VSN102MA70S           1,090         35 × 75         0.20         3.58         EKHU501VSN112MA75S			750	30 × 70	0.20	2.92	EKHU501VSN751MR70S
860         35 × 60         0.20         3.01         EKHU501VSN861MA60S           870         30 × 80         0.20         3.25         EKHU501VSN871MR80S           920         35 × 65         0.20         3.17         EKHU501VSN921MA65S           1,010         35 × 70         0.20         3.38         EKHU501VSN102MA70S           1,090         35 × 75         0.20         3.58         EKHU501VSN112MA75S			780	35 × 55	0.20	2.82	EKHU501VSN781MA55S
870         30 × 80         0.20         3.25         EKHU501VSN871MR80S           920         35 × 65         0.20         3.17         EKHU501VSN921MA65S           1,010         35 × 70         0.20         3.38         EKHU501VSN102MA70S           1,090         35 × 75         0.20         3.58         EKHU501VSN112MA75S			810	30 × 75	0.20	3.08	EKHU501VSN811MR75S
920 35 × 65 0.20 3.17 EKHU501VSN921MA65S 1,010 35 × 70 0.20 3.38 EKHU501VSN102MA70S 1,090 35 × 75 0.20 3.58 EKHU501VSN112MA75S			860	35 × 60	0.20	3.01	EKHU501VSN861MA60S
1,010 35 × 70 0.20 3.38 EKHU501VSN102MA70S 1,090 35 × 75 0.20 3.58 EKHU501VSN112MA75S			870	30 × 80	0.20	3.25	EKHU501VSN871MR80S
1,090 35 × 75 0.20 3.58 EKHU501VSN112MA75S					_	_	
		1	,010	35 × 70	0.20	3.38	EKHU501VSN102MA70S
1,170   35 × 80   0.20   3.77   EKHU501VSN1B2MA80S							
		1	,170	35 × 80	0.20	3.77	EKHU501VSN1B2MA80S

Rated ripple current

(Arms/ 105°C, 120Hz) Part No.

### **◆RATED RIPPLE CURRENT MULTIPLIERS**

### Frequency Multipliers

Frequency(Hz)	50	120	300	1k	10k	50k
400 to 450V <sub>dc</sub>	0.77	1.00	1.10	1.21	1.32	1.33
475, 500V <sub>dc</sub>	0.77	1.00	1.11	1.20	1.25	1.33

The deterioration of aluminum electrolytic capacitors accelerates their life due to the internal heating produced by ripple current. For details, refer to Section "5-3 Ripple Current Effect on Lifetime" in the catalog, Technical Note.



- Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.
- Request the Product Specification on the product of NIPPON CHEMI-CON CORPORATION to refer to it as well as this brochure prior to the order of the products. Some specific notes on use of the ordered product may be described in the specifications.
- The products listed in this catalog are designed and manufactured for general electronics equipment use and are not intended for use in applications that can adversely affect human life; where the malfunction of equipment may cause damage to life or property. In addition, our products are not intended to be used in specific applications that may cause a major social impact. Please consult with us in advance of usage of our products in the following listed applications. ① Aerospace equipment ② Power generation equipment such as thermal power, nuclear power etc. ③ Medical equipment ④ Transport equipment (automobiles, trains, ships, etc.) ⑤ Transportation control equipment ⑥ Disaster prevention / crime prevention equipment ⑦ Highly publicized information processing equipment ⑧ Submarine equipment ⑨ Other applications that are not considered general-purpose applications.
- The circuits described as examples in this catalog and the "delivery specifications" are featured in order to show the operations and usage of our products, however, this fact does not guarantee that the circuits are available to function in your equipment systems. We are not in any case responsible for any failures or damage caused by the use of information contained herein. You should examine our products, of which the characteristics are described in the "delivery specifications" and other documents, and determine whether or not our products suit your requirements according to the specifications of your equipment systems. Therefore, you bear final responsibility regarding the use of our products.
  - Please make sure that you take appropriate safety measures such as use of redundant design and malfunction prevention measures in order to prevent fatal accidents and/or fires in the event any of our products malfunction.
- We strongly recommend our customers to purchase Nippon Chemi-Con products only through our official sales channels. We assume no responsibility for any defects or damages caused by using products purchased from outside our official sales channel or of counterfeit goods. In addition, we will ask the customer to pay the investigation cost for products purchased outside our official sales channel.
- We reserve the right to discontinue production and delivery of products. We do not guarantee that all the products included in this catalog will be available in the future.

  The aforementioned does not apply in the case of individual agreements deviating from the foregoing for customer-specific products
- We continually strive to improve the quality and reliability of our products, but in any case that our product does not meet our published specifications, please stop using it promptly and contact us immediately. As for compensation for non-conforming goods delivered by Chemi-Con, we will limit it only to goods found in non-compliance of our published specifications. This may be accomplished by a no cost replacement of non-conforming individual products, a credit of the piece price paid per each individual non-conforming product, or in other ways deemed necessary.

In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

Part Numbering System
Part Numbering System (Appendix)
Standardization
Available Items by Manufacturing Locations
Environmental Measures
Technical Note
Precautions and Guidelines
Recommended Soldering Conditions
Taping, Lead-preforming and Packaging
Available Terminals for Snap-in and Screw Mount Type