



Alchip™-**MHS** Upgrade!
Series

◆ **STANDARD RATINGS**

VV (V _{dc})	Cap (μF)	Size code	ESR (Ω max./100kHz)		Rated ripple current (mArms/125°C, 100kHz)	Part No.
			20°C	-40°C		
16	680	HA0	0.19	2.6	620	EMHS160□RA681MHA0G
	1,000	JA0	0.13	1.7	780	EMHS160□RA102MJA0G
	1,500	KE0	0.087	1.1	1,060	EMHS160□RA152MKE0S
	2,000	KG5	0.070	0.84	1,160	EMHS160□RA202MKG5S
	2,700	LH0	0.057	0.59	1,900	EMHS160□RA272MLH0S
	3,600	MH0	0.055	0.44	2,000	EMHS160□RA362MMH0S
	4,700	LN0	0.037	0.39	2,520	EMHS160□RA472MLN0S
	6,200	MN0	0.036	0.28	2,570	EMHS160□RA622MMN0S
25	470	HA0	0.19	2.6	620	EMHS250□RA471MHA0G
	680	JA0	0.13	1.7	780	EMHS250□RA681MJA0G
	1,000	KE0	0.087	1.1	1,060	EMHS250□RA102MKE0S
	1,300	KG5	0.070	0.84	1,160	EMHS250□RA132MKG5S
	1,800	LH0	0.057	0.59	1,900	EMHS250□RA182MLH0S
	2,400	MH0	0.055	0.44	2,000	EMHS250□RA242MMH0S
	3,300	LN0	0.037	0.39	2,520	EMHS250□RA332MLN0S
	4,300	MN0	0.036	0.28	2,570	EMHS250□RA432MMN0S
35	220	HA0	0.19	2.6	620	EMHS350□RA221MHA0G
	270	HA0	0.19	2.6	620	EMHS350□RA271MHA0G
	470	JA0	0.13	1.7	780	EMHS350□RA471MJA0G
	680	KE0	0.087	1.1	1,060	EMHS350□RA681MKE0S
	820	KG5	0.070	0.84	1,160	EMHS350□RA821MKG5S
	1,200	LH0	0.057	0.59	1,900	EMHS350□RA122MLH0S
	1,500	MH0	0.055	0.44	2,000	EMHS350□RA152MMH0S
	2,000	LN0	0.037	0.39	2,520	EMHS350□RA202MLN0S
2,400	MN0	0.036	0.28	2,570	EMHS350□RA242MMN0S	
50	100	HA0	0.65	8.1	440	EMHS500□RA101MHA0G
	150	JA0	0.45	4.6	600	EMHS500□RA151MJA0G
	180	JA0	0.45	4.6	600	EMHS500□RA181MJA0G
	360	KE0	0.16	2.0	880	EMHS500□RA361MKE0S
	470	KG5	0.12	1.5	970	EMHS500□RA471MKG5S
	560	LH0	0.088	0.94	1,640	EMHS500□RA561MLH0S
	750	MH0	0.085	0.78	1,720	EMHS500□RA751MMH0S
	1,000	LN0	0.056	0.61	2,230	EMHS500□RA102MLN0S
1,300	MN0	0.053	0.45	2,300	EMHS500□RA132MMN0S	
63	68	HA0	0.65	8.1	440	EMHS630□RA680MHA0G
	82	HA0	0.65	8.1	440	EMHS630□RA820MHA0G
	100	JA0	0.45	4.6	600	EMHS630□RA101MJA0G
	120	JA0	0.45	4.6	600	EMHS630□RA121MJA0G
	240	KE0	0.17	2.5	920	EMHS630□RA241MKE0S
	330	KG5	0.13	1.8	1,030	EMHS630□RA331MKG5S
	430	LH0	0.098	1.3	1,640	EMHS630□RA431MLH0S
	560	MH0	0.091	0.98	1,720	EMHS630□RA561MMH0S
	680	LN0	0.063	0.80	2,230	EMHS630□RA681MLN0S
	910	MN0	0.059	0.59	2,300	EMHS630□RA911MMN0S
	1,000	MN0	0.059	0.59	2,300	EMHS630□RA102MMN0S
1,100	MN0	0.059	0.59	2,300	EMHS630□RA112MMN0S	
1,300	MN0	0.059	0.59	2,300	EMHS630□RA132MMN0S	
80	47	HA0	0.65	8.1	440	EMHS800□RA470MHA0G
	68	JA0	0.45	4.6	600	EMHS800□RA680MJA0G
	82	JA0	0.45	4.6	600	EMHS800□RA820MJA0G
	180	KE0	0.17	2.5	920	EMHS800□RA181MKE0S
	240	KG5	0.13	1.8	1,030	EMHS800□RA241MKG5S
	270	LH0	0.098	1.3	1,640	EMHS800□RA271MLH0S
	360	MH0	0.091	0.98	1,720	EMHS800□RA361MMH0S
	430	LN0	0.063	0.80	2,230	EMHS800□RA431MLN0S
560	MN0	0.059	0.59	2,300	EMHS800□RA561MMN0S	
100	110	KE0	0.17	2.5	920	EMHS101□RA111MKE0S
	150	KG5	0.13	1.8	1,030	EMHS101□RA151MKG5S
	160	LH0	0.098	1.3	1,640	EMHS101□RA161MLH0S
	200	MH0	0.091	0.98	1,720	EMHS101□RA201MMH0S
	240	LN0	0.063	0.80	2,230	EMHS101□RA241MLN0S
330	MN0	0.059	0.59	2,300	EMHS101□RA331MMN0S	

□ : Enter the appropriate terminal code.

New products are indicated in red text.

◆ **RATED RIPPLE CURRENT MULTIPLIERS**

● Frequency Multipliers

Size code	Capacitance(μF)	Frequency(Hz)			
		120	1k	10k	100k
HA0, JA0	47 to 180	0.40	0.75	0.90	1.00
	220 to 470	0.50	0.85	0.94	1.00
	680 to 1,000	0.60	0.87	0.95	1.00
KE0 to MN0	110 to 200	0.40	0.75	0.90	1.00
	220 to 620	0.50	0.85	0.94	1.00
	680 to 2,000	0.60	0.87	0.95	1.00
	2,400 to 4,300	0.75	0.90	0.95	1.00
	4,700 to 6,200	0.85	0.95	0.98	1.00

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.
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- 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 \(Appendix\)](#)

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