

● Endurance: 7,000 to 8,000 hours at 105°C

Low impedance

• Rated voltage range : 6.3 to 50V O Nominal capacitance range : 10 to 470μF

Suitable for long life and low profile products Solvent resistant type (see PRECAUTIONS AND GUIDELINES)

● RoHS2 Compliant

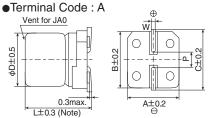




SPECIFICATIONS

Items	Characteristics										
Category Temperature Range	-25 to +105℃										
Rated Voltage Range	6.3 to 50V _{dc}										
Capacitance Tolerance	±20%(M) (at 20℃,120Hz)										
Leakage Current	I=0.01CV or 3µA, whichever is greater										
	Where, I: Max. leakage	Where, I: Max. leakage current (μA), C: Nominal capacitance (μF), V: Rated voltage (V) (at 20°C, after 2 minutes)									
Dissipation Factor	Rated voltage (Vdc)	6.3V	10V	16V	25V	35V	50V				
(tan δ)	tan δ (Max.)	0.32	0.28	0.26	0.16	0.14	0.14	(at 20℃,120Hz)			
Low Temperature Characteristics	Rated voltage(Vdc)	6.3V	10V	16V	25V	35V	50V				
	Z(-10°C)/Z(+20°C)	4	3	2	2	2	2				
(Max. Impedance Ratio)								(at 120Hz)			
Endurance	The following specification	s shall l	be satis	sfied wl	hen the	capac	itors are	e restored to 20°C after the rated voltage is applied for specified time			
	at 105℃.										
	Time	E73 8	% F73 :	7,000	hours						
	F90 to JA0 : 8,000 hours										
	Capacitance change	≦±3	30% of	the init	tial valu						
	D.F. (tan δ)	D.F. (tan δ) ≦300% of the initial specified value									
	Leakage current	≦Th	e initia	specif	ied val	ue					
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4. Capacitance change ≤±30% of the initial value										
	D.F. (tan δ)	≦300	0% of t	he initi	al spec	ified va	alue				
	Leakage current	≦The initial specified value									

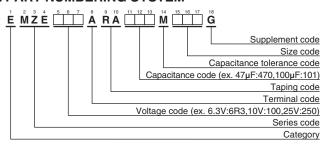
◆DIMENSIONS [mm]



Note: L±0.5 for HA0 and JA0

Size code	D	L	Α	В	С	W	Р
E73	5	7.0	5.3	5.3	5.9	0.5 to 0.8	1.4
F73	6.3	7.0	6.6	6.6	7.2	0.5 to 0.8	1.9
F90	6.3	8.7	6.6	6.6	7.2	0.5 to 0.8	1.9
HA0	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1
JA0	10	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5

◆PART NUMBERING SYSTEM



Please refer to "Product code guide (surface mount type)"

◆MARKING





Rated voltage symbol

Rated voltage (Vdc)	6.3	10	16	25	35	50
Symbol	j	Α	С	Е	V	Н

Product specifications in this catalog are subject to change without notice. Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.

SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS Low impedance, 7000 to 8000-hours-life, 105°C



STANDARD RATINGS

WV (V _{dc})	Cap (µF)	Size code	Impedance	Rated ripple current (mArms/105°C, 100kHz)	Part No.	WV (V _{dc})	Cap (µF)	Size code	Impedance	Rated ripple current (mArms/105°C, 100kHz)	Part No.
	47	E73	2.2	95	EMZE6R3ARA470ME73G		33	F73	1.1	140	EMZE250ARA330MF73G
	100	F73	1.1	140	EMZE6R3ARA101MF73G	25	47	F73	1.1	140	EMZE250ARA470MF73G
6.3	220	F90	1.0	230	EMZE6R3ARA221MF90G		100	F90	1.0	230	EMZE250ARA101MF90G
	330	F90	1.0	230	EMZE6R3ARA331MF90G		220	HA0	0.22	600	EMZE250ARA221MHA0G
	470	HA0	0.22	600	EMZE6R3ARA471MHA0G		330	JA0	0.16	850	EMZE250ARA331MJA0G
10	33	E73	2.2	95	EMZE100ARA330ME73G		10	E73	2.2	95	EMZE350ARA100ME73G
10	150	F73	1.1	140	EMZE100ARA151MF73G		10	F73	1.1	140	EMZE350ARA100MF73G
	22	E73	2.2	95	EMZE160ARA220ME73G		22	E73	2.2	95	EMZE350ARA220ME73G
	47	F73	1.1	140	EMZE160ARA470MF73G	35	22	F73	1.1	140	EMZE350ARA220MF73G
	100	F73	1.1	140	EMZE160ARA101MF73G	33	33	F90	1.0	230	EMZE350ARA330MF90G
16	150	F90	1.0	230	EMZE160ARA151MF90G		47	F90	1.0	230	EMZE350ARA470MF90G
	220	F90	1.0	230	EMZE160ARA221MF90G		100	HA0	0.22	600	EMZE350ARA101MHA0G
	330	HA0	0.22	600	EMZE160ARA331MHA0G		220	JA0	0.16	850	EMZE350ARA221MJA0G
	470	JA0	0.16	850	EMZE160ARA471MJA0G	50	47	HA0	0.53	350	EMZE500ARA470MHA0G
25	22	E73	2.2	95	EMZE250ARA220ME73G	30	100	JA0	0.35	670	EMZE500ARA101MJA0G

Production of the products shown in is scheduled to be discontinued.

◆RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Capacitance(µF) Frequency(Hz)	120	1k	10k	100k
10 to 150	0.40	0.75	0.90	1.00
220 to 470	0.50	0.85	0.94	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.

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- 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.
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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

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