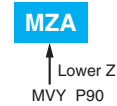


Alchip™-MZA Series

- Endurance : 2,000 to 5,000 hours at 105°C
- Low impedance
- Solvent resistant type(see PRECAUTIONS AND GUIDELINES)
- Vibration resistant structure
- RoHS Compliant



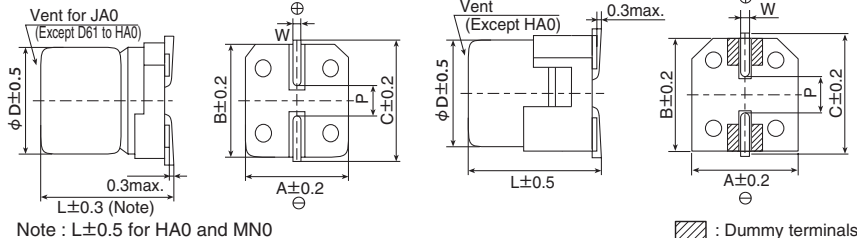
◆ SPECIFICATIONS

Items	Characteristics										
Category Temperature Range	-55 to +105°C										
Rated Voltage Range	6.3 to 100V <sub>ac</sub>										
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)										
Leakage Current	I=0.01CV or 3μA, whichever is greater Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)										
Dissipation Factor (tan δ)	Rated voltage(V <sub>ac</sub> )	6.3V	10V	16V	25V	35V	50V	63V	80V	100V	
	tan δ (Max.)	D61 to JA0	0.26	0.19	0.16	0.14	0.12	0.10	0.08	0.08	—
		KE0 to MN0	—	—	—	0.16	0.14	0.12	0.12	0.10	0.10
When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20°C, 120Hz)											
Low Temperature Characteristics (Max. impedance Ratio)	Rated voltage(V <sub>ac</sub> )	6.3V	10V	16V	25V	35V	50V	63V	80V	100V	
	Z(-25°C)/Z(+20°C)	2	2	2	2	2	2	2	2	2	
	Z(-40°C)/Z(+20°C)	3	3	3	3	3	3	3	3	3	
	Z(-55°C)/Z(+20°C)	4	4	4	3	3	3	3	3	3	
(at 120Hz)											
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for specified time at 105°C.										
	Time	D61 to JA0 : 2,000 hours KE0 to MN0 : 5,000 hours									
	Capacitance change	≤ ±30% of the initial value									
	D.F. (tan δ)	≤ 200% of the initial specified value									
	Leakage current	≤ The initial specified value									

◆ DIMENSIONS [mm]

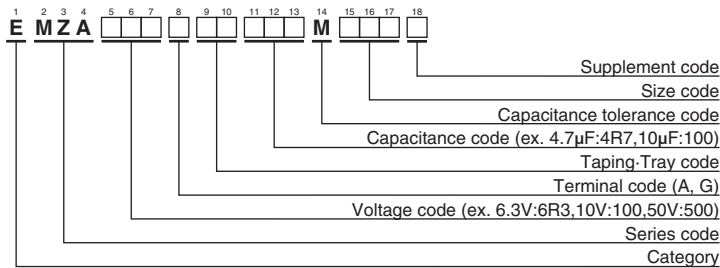
- Terminal Code : A
- Size code : D61 to MN0

- Terminal Code : G(Vibration resistant structure)
- Size code : HA0 to MN0



Size code	D	L	A	B	C	W	P
D61	4	5.8	4.3	4.3	5.1	0.5 to 0.8	1.0
E61	5	5.8	5.3	5.3	5.9	0.5 to 0.8	1.4
F61	6.3	5.8	6.6	6.6	7.2	0.5 to 0.8	1.9
F80	6.3	7.7	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
KE0	12.5	13.5	13.0	13.0	13.7	1.0 to 1.3	4.2
KG5	12.5	16.0	13.0	13.0	13.7	1.0 to 1.3	4.2
LH0	16	16.5	17.0	17.0	18.0	1.0 to 1.3	6.5
LN0	16	21.5	17.0	17.0	18.0	1.0 to 1.3	6.5
MH0	18	16.5	19.0	19.0	20.0	1.0 to 1.3	6.5
MN0	18	21.5	19.0	19.0	20.0	1.0 to 1.3	6.5

◆ PART NUMBERING SYSTEM



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

◆ MARKING



- Rated voltage symbol (D61 to JA0)

Rated voltage (V <sub>ac</sub> )	6.3	10	16	25	35	50	63	80
Symbol	j	A	C	E	V	H	J	K



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## United Chemi-Con (UCC):

[EMZA350ADA101MF80G](#) [EMZA350ADA331MJA0G](#) [EMZA160ADA101MF61G](#) [EMZA350ADA221MHA0G](#)  
[EMZA6R3ADA470ME61G](#) [EMZA160ADA681MJA0G](#) [EMZA250ADA101MF80G](#) [EMZA250ADA221MHA0G](#)  
[EMZA250ADA331MHA0G](#) [EMZA500ADA221MJA0G](#) [EMZA500ADA470MF80G](#) [EMZA350ADA470MF61G](#)  
[EMZA6R3ADA101ME61G](#) [EMZA160ADA471MHA0G](#) [EMZA100ADA330MD61G](#) [EMZA250ADA330MF61G](#)  
[EMZA350ADA220ME61G](#) [EMZA630ADA101MJA0G](#) [EMZA6R3ADA471MHA0G](#) [EMZA500ADA4R7MD61G](#)  
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[EMZA800ADA100MF80G](#) [EMZA350ADA101MF80S](#) [EMZA100ADA331MHA0G](#) [EMZA350ADA100MD61G](#)  
[EMZA6R3ADA102MHA0G](#) [EMZA100ADA330ME61G](#) [EMZA100ADA220MD61G](#) [EMZA100ADA221MF80G](#)  
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[EMZA6R3ADA220MD61G](#) [EMZA6R3ADA101MF61G](#) [EMZA160ADA331MHA0G](#) [EMZA160ADA220MD61G](#)  
[EMZA630ADA330MHA0G](#) [EMZA6R3ADA331MF80G](#) [EMZA350ADA101MHA0G](#) [EMZA100ADA681MHA0G](#)  
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[EMZA250ADA471MJA0G](#) [EMZA6R3ADA221MF61G](#) [EMZA350GDA331MJA0G](#) [EMZA160ADA470ME61G](#)  
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[EMZA630ADA4R7ME61G](#) [EMZA630ADA680MHA0G](#) [EMZA800ADA220MHA0G](#) [EMZA800ADA330MHA0G](#)  
[EMZA800ADA3R3ME61G](#) [EMZA800ADA4R7MF61G](#) [EMZA800ADA681MMN0S](#)