SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

● Endurance: 5,000 hours at 105°C

Low impedance

• Rated voltage range : 6.3 to 35V

O Nominal capacitance range: 10 to 150μF

Suitable for high reliability products

Solvent resistant type (see PRECAUTIONS AND GUIDELINES)

⊙RoHS Compliant

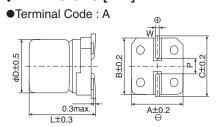




SPECIFICATIONS

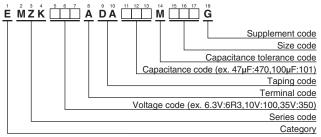
Items	Characteristics									
Category Temperature Range	-25 to +105℃									
Rated Voltage Range	6.3 to 35V _{dc}									
Capacitance Tolerance	$\pm 20\%$ (M) (at 20% C,120Hz)									
Leakage Current	I=0.01CV or 3µA, whichever is greater									
	Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C, after 2 minutes)									
Dissipation Factor	Rated voltage (Vdc)	6.3V	10V	16V	25V	35V				
(tanδ)	tanδ (Max.)	0.32	0.28	0.26	0.16	0.14	(at 20℃,120Hz)			
Low Temperature	Rated voltage(Vdc)	6.3V	10V	16V	25V	35V				
Characteristics	Z(-10°C)/Z(+20°C)	4	3	2	2	2				
(Max. Impedance Ratio)				•			(at 120Hz)			
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 5,000									
	at 105℃.									
	Capacitance change	≦±3	0% of t	he initia	al value					
	D.F. (tanδ)	≦300	% of th	e initia	specifi	ed valu	le			
	Leakage current	≦The	initial	specifie	d value)				
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 the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without the capacitors are restored to 20°C after exposing the 20°C aft									
	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. (tanδ)	≦300	% of th	e initia	specif	ed valu	ie l			
	Leakage current	≦The initial specified value)				

◆DIMENSIONS [mm]



Size code	D	L	Α	В	С	W	Р
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

◆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
Symbol	j	Α	С	Е	٧

SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS



STANDARD RATINGS

WV (Vdc)	Cap (μF)	Size code	Impedance (Ωmax/20°C,100kHz)	Rated ripple current (mArms/105°C,100kHz)	Part No.
6.3	100	E61	2.2	95	EMZK6R3ADA101ME61G
10	150	F61	1.1	140	EMZK100ADA151MF61G
	33	E61	2.2	95	EMZK160ADA330ME61G
16	47	E61	2.2	95	EMZK160ADA470ME61G
	100	F61	1.1	140	EMZK160ADA101MF61G
25	68	F61	1.1	140	EMZK250ADA680MF61G
	10	E61	2.2	95	EMZK350ADA100ME61G
	10	F61	1.1	140	EMZK350ADA100MF61G
0.5	22	E61	2.2	95	EMZK350ADA220ME61G
35	22	F61	1.1	140	EMZK350ADA220MF61G
	33	F61	1.1	140	EMZK350ADA330MF61G
	47	F61	1.1	140	EMZK350ADA470MF61G

TABLE CURRENT MULTIPLIERS

Frequency Multipliers

Frequency(Hz)	120	1k	10k	100k
6.3 to 35Vdc	0.40	0.75	0.90	1.00

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.