

Alchip®MVZ Series

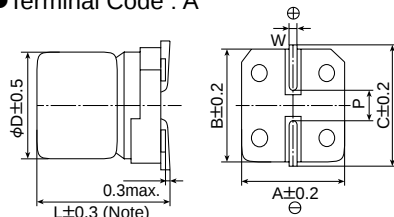
- Very low impedance, 105°C 1000-2000 hour-life
- Solvent-proof type
- Pb-free design

**◆SPECIFICATIONS**

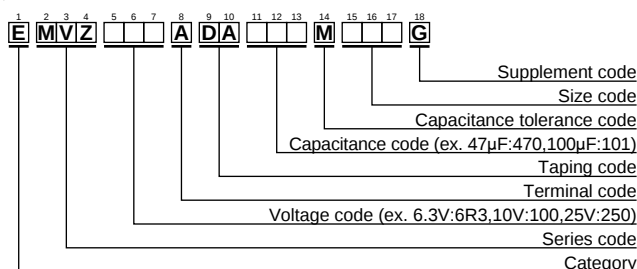
Items	Characteristics						
Category	-55 to +105°C						
Temperature Range							
Rated Voltage Range	6.3 to 25V _{dc}						
Capacitance Tolerance	±20%(M) (20°C, 120Hz)						
Leakage Current	I=0.01CV or 3μA, whichever is greater Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)						
Dissipation Factor (tanδ)	Rated voltage(V _{dc})		6.3V	10V	16V	25V	(20°C, 120Hz)
	tanδ (Max.)	D60 to F80	0.24	0.20	0.16	0.14	
		HA0, JA0	0.28	0.24	0.20	0.16	
Low Temperature Characteristics (Max. impedance Ratio)	Rated voltage(V _{dc})		6.3V	10V	16V	25V	(120Hz)
	Z(-25°C)/Z(+20°C)		3	2	2	2	
	Z(-55°C)/Z(+20°C)		5	4	4	3	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours (HA0/JA0 sizes 2,000 hours) at 105°C.						
	Rated voltage (V _{dc})		6.3V			10 to 25V	
	Capacitance change		≤±30% of the initial value			≤±25% of the initial value	
	D.F. (tanδ)		≤200% of the initial specified value			≤200% of the initial specified value	
	Leakage current		≤The initial specified value			≤The initial specified value	

◆DIMENSIONS [mm]

- Terminal Code : A



Note : L±0.5 for HA0 and JA0

◆PART NUMBERING SYSTEM**◆MARKING**

EX) 16V220μF



Size code	D	L	A	B	C	W	P
D60	4	5.7	4.3	4.3	5.1	0.5 to 0.8	1.0
E60	5	5.7	5.3	5.3	5.9	0.5 to 0.8	1.4
F60	6.3	5.7	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

◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Size code	Impedance (Ω _{max} /20°C, 100kHz)	Rated ripple current (mA _{rms} /105°C, 100kHz)	Part No.
6.3	27	D60	1.8	80	EMVZ6R3ADA270MD60G
	47	E60	0.76	150	EMVZ6R3ADA470ME60G
	56	E60	0.76	150	EMVZ6R3ADA560ME60G
	220	F60	0.44	230	EMVZ6R3ADA221MF60G
	330	F80	0.34	280	EMVZ6R3ADA331MF80G
	680	HA0	0.17	450	EMVZ6R3ADA681MHA0G
	1000	HA0	0.17	450	EMVZ6R3ADA102MHA0G
10	1500	JA0	0.09	670	EMVZ6R3ADA152MJA0G
	22	D60	1.8	80	EMVZ100ADA220MD60G
	33	E60	0.76	150	EMVZ100ADA330ME60G
	150	F60	0.44	230	EMVZ100ADA151MF60G
16	1000	JA0	0.09	670	EMVZ100ADA102MJA0G
	15	D60	1.8	80	EMVZ160ADA150MD60G
	27	E60	0.76	150	EMVZ160ADA270ME60G
	100	F60	0.44	230	EMVZ160ADA101MF60G
	150	F80	0.34	280	EMVZ160ADA151MF80G
WV (V _{dc})	Cap (μF)	Size code	Impedance (Ω _{max} /20°C, 100kHz)	Rated ripple current (mA _{rms} /105°C, 100kHz)	Part No.
16	220	F80	0.34	280	EMVZ160ADA221MF80G
	470	HA0	0.17	450	EMVZ160ADA471MHA0G
	680	JA0	0.09	670	EMVZ160ADA681MJA0G
25	10	D60	1.8	80	EMVZ250ADA100MD60G
	15	E60	0.76	150	EMVZ250ADA150ME60G
	22	E60	0.76	150	EMVZ250ADA220ME60G
	27	F60	0.44	230	EMVZ250ADA270MF60G
	33	F60	0.44	230	EMVZ250ADA330MF60G
	47	F60	0.44	230	EMVZ250ADA470MF60G
	56	F60	0.44	230	EMVZ250ADA560MF60G
	68	F60	0.44	230	EMVZ250ADA680MF60G
	100	F80	0.34	280	EMVZ250ADA101MF80G
	150	HA0	0.17	450	EMVZ250ADA151MHA0G
25	220	HA0	0.17	450	EMVZ250ADA221MHA0G
	330	HA0	0.17	450	EMVZ250ADA331MHA0G
	470	JA0	0.09	670	EMVZ250ADA471MJA0G

Specifications in this bulletin are subject to change without notice.

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[United Chemi-Con \(UCC\):](#)

[EMVZ250ADA151MHA0G](#) [EMVZ160ADA101MF61G](#)