

Data Sheet

Customer: _____
 Product: SMD Aluminum Electrolytic Capacitors – EZV Series
 Size: 4x5.7mm ~ 18x21.5mm
 Issued Date: 06-Nov.-2024
 Edition: Ver. 8

Record of change

Date	Ver.	Description	Page
15-May-2016	1		
07-Sep.-2017	2	Added size G on some items	1
22-May-2018	3	Added new sizes	1
01-Dec.-2019	4	EOL 100/35V 10X10.5	2
11-Jun.-2021	5	Edit 1000/50 SIZE R.C. & IMP.	2
05-Oct.-2023	6	Add item	2
19-Jun.-2024	7	Update size	1,2
06-Nov.2024	8	Revised size Dimension graphics	1

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Prepared by	Checked by	Approved by	Accepted by (customer)
06-Nov.-2024	06-Nov.-2024	06-Nov.-2024	
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- SMD Low Impedance Type. Reflow Soldering is available.
- 105°C, 2000 ~ 5000 hours assured
- Available For High Density Mounting

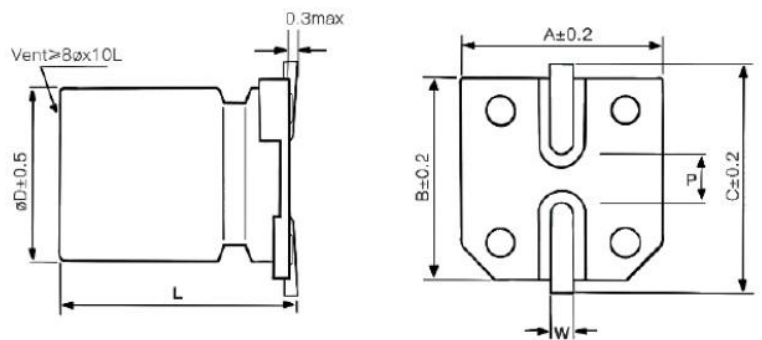
Characteristics

Voltage Range	6.3 to 100 VDC									
Capacitance Range	1.0 to 6800uF									
Temperature Range	-55 to +105°C									
Capacitance Tolerance	+/-20% (at 120Hz, 20°C)									
Leakage Current	I≤0.01CV or 3uA, whichever is greater, 2 minutes after Rated Voltage applied, where C = Rated Capacitance, V = Rated DC working voltage									
Dissipation Factor (tanδ) Max (at 120Hz, 20°C)	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	
	D.F.(tanδ)	0.30	0.26	0.22	0.16	0.13	0.10	0.08	0.07	
Stability at Low Temperature (at 120Hz)	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	
	Z-25°C/Z 20°C	4	3	2	2	2	2	2	2	
	Z-55°C/Z 20°C	8	5	4	3	3	3	3	3	
Load Life After the rated voltage has been applied for 2000~5000 hours at 105°C	2000hrs for D ≤ 6.3mm, 5000hrs for D ≥ 8mm	Capacitance change							Within ±30% of initial value	
		D.F. (tanδ)							300% or less of initial specified value	
		Leakage current							Less than initial specified value	
Shelf Life	After storage for 1000 hours at 105°C, with no voltage applied and being stabilized at +20°C, Capacitor shall meet the limit specified in load life.									

Diagram of dimensions

SIZE	Dφ	L	A	B	C	W	P±0.2
A	4	5.7±0.3	4.3	4.3	5.1	0.5~0.8	1.0
B	5	5.7±0.3	5.3	5.3	6.1	0.5~0.8	1.3
C	6.3	5.7±0.3	6.6	6.6	7.3	0.5~0.8	2.2
C8	6.3	7.7±0.3	6.6	6.6	7.3	0.5~0.8	2.2
D	8	6.5±0.5	8.3	8.3	9.2	0.7~1.2	3.2
E	8	10.5±0.5	8.3	8.3	9.2	0.7~1.2	3.2
F	10	10.5±0.5	10.3	10.3	11.2	0.7~1.2	4.4
G	12.5	13.5±0.5	13.0	13.0	14.0	1.0~1.4	4.4
H	12.5	16±0.5	13.0	13.0	14.0	1.0~1.4	4.4
I	16	17±0.5	17.0	17.0	18.0	1.1~1.4	6.6
J	16	21.5±0.5	17.0	17.0	18.0	1.1~1.4	6.4
K	18	16.5±0.5	19.0	19.0	20.0	1.1~1.4	6.4
L	18	21.5±0.5	19.0	19.0	20.0	1.1~1.4	6.4

Fig. 1



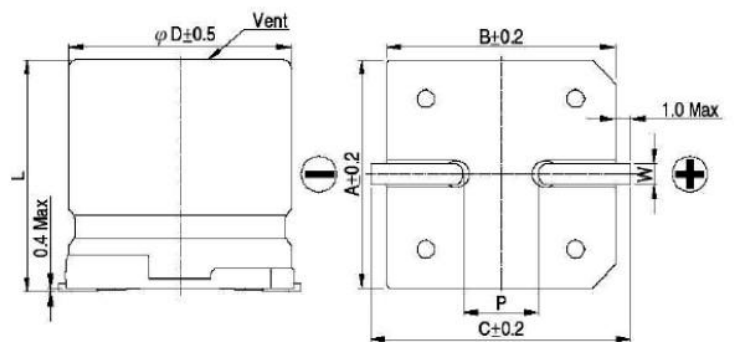
Size A~H refer to Fig. 1

Size I~L refer to Fig. 2

Multiplier for Ripple Current vs Frequency

Frequency(Hz)	60(50)	120	1K	≥10K
Multiplier	0.60	0.70	0.85	1.00

Fig. 2



Part Numbering System

EZV □ □ □ M □ □ R □
Series Capacitance Tolerance Rated Voltage Package Case Size

