

## *Data Sheet*

Customer: \_\_\_\_\_

Product: SMD Aluminum Electrolytic Capacitors – EZV Series \_\_\_\_\_

Size : 4x5.5mm ~ 18x21.5mm \_\_\_\_\_

Issued Date: 25-Dec.-2018 \_\_\_\_\_

Edition: Ver. 3 \_\_\_\_\_

### Record of change

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

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Prepared by	Checked by	Approved by	Accepted by (customer)
22-May-2018	22-May-2018	22-May-2018	
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- SMD Low Impedance Type. Reflow Soldering is available.
- 4~18φ, 105°C, 2000 ~ 5000 hours load life., Rohs compliant
- Available For High Density Mounting

**Characteristics**

<b>Voltage Range</b>	6.3 to 100 VDC								
<b>Capacitance Range</b>	1.0 to 6800uF								
<b>Temperature Range</b>	-55 to +105°C								
<b>Capacitance Tolerance</b>	+/-20% (at 20°C, 120Hz)								
<b>Leakage Current</b>	I≤0.01CV or 3uA, whichever is greater, 2 minutes after Rated Voltage applied, where C = Rated Capacitance, V = Rated DC working voltage								
<b>Dissipation Factor (tanδ) Max (at 20°C, 120Hz)</b>	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
<b>Stability at Low Temperature (at 120Hz)</b>	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
<b>Load Life</b> 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				
<b>Shelf Life</b>	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	5.5±0.2	4.3	4.3	5.1	0.5~0.8	1.0
B	5	5.5±0.2	5.3	5.3	5.9	0.5~0.8	1.5
C	6.3	5.5±0.2	6.6	6.6	7.2	0.5~0.8	2.0
C8	6.3	7.7±0.3	6.6	6.6	7.2	0.5~0.8	2.0
D	8	6.5±0.3	8.4	8.4	9.0	0.5~0.8	2.3
E	8	10.5±0.3	8.4	8.4	9.0	0.7~1.1	3.1
F	10	10.5±0.3	10.4	10.4	11.0	0.7~1.3	4.5
G	12.5	14±0.3	13.5	13.5	15.0	1.1~1.4	4.5
H	12.5	16±0.3	13.0	13.0	15.0	1.1~1.4	4.5
I	16	16.5±0.5	17.0	17.0	18.0	1.1~1.4	6.4
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

Size A~F refer to Fig. 1

Size G~L refer to Fig. 2

Fig. 1

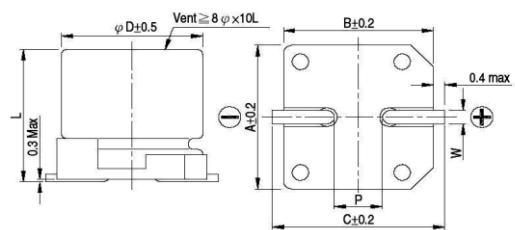
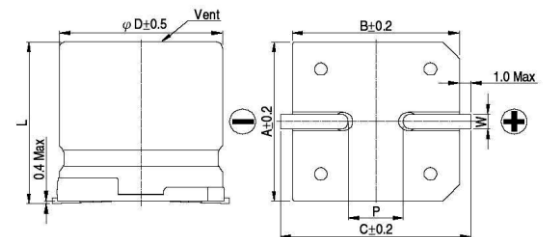


Fig. 2



**Multiplier for Ripple Current vs Frequency**

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

**Part Numbering System**

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

