HITANO ENTERPRISE CORP. ®

EZV SERIES

- SMD Low Impedance Type. Reflow Soldering is available.
- 4~18ψ, 105℃, 2000 ~ 5000 hours load life., Rohs compliant
- Available For High Density Mounting

Characteristics

Voltage Range	6.3 to 100 VDC								
Capacitance Range	1.0 to 6800uF								
Temperature Range	-55 to +105℃								
Capacitance Tolerance	+/-20% (at 20℃, 120Hz)								
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	Rated Voltage (V)	6.3	10	16	25	35	50	63	80	100
	D.F.(tanδ)	0.30	0.26	0.22	0.16	0.13	0.10	0.08	0.08	0.07
	(at 20℃, 120Hz)									
Stability at Low Temperature (at 120Hz)	Impedance ratio shall not exceed the values given in the table below:									
	Rated Voltage (V)	6.3	10	16	25	35	50	63	80	100
	Z-25℃/Z 20℃	4	3	2	2	2	2	2	2	2
	Z-55℃/Z 20℃	8	5	4	3	3	3	3	3	3
Load Life	2000hrs for ψD≦6.3mm, 5000hrs for ψD≧8mm After the rated voltage has been applied for 2000~5000 hours at 105℃			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℃, with no voltage applied and being stabilized at +20℃, Capacitor shall meet the limit specified in load life.									
Ripple current & Frequency Multipliers	Frequency (Hz)	50,60		120		1K		10K up		
	Multipliers	0.60		0.70		0.85		1.0		

Diagram of dimensions

SIZE	Dϕ	L	A	C	B	W	P±0.2
A	4	5.5	4.3	5.1	4.3	0.5~0.	1.0
B	5	5.5	5.3	6.1	5.3	0.5~0.	1.5
C	6.3	5.7	6.6	7.4	6.6	0.5~0.	2.0
C8	6.3	7.7	6.6	7.4	6.6	0.5~0.	2.0
D	8	6.5	8.4	9.2	8.4	0.7~1.	2.2
E	8	10.5	8.34	9.2	8.34	0.7~1.	3.1
F	10	10.5	10.4	11.2	10.4	0.7~1.	4.7
G	12.5	13.5	13.0	15.0	13.0	1.1~1.	4.4
H	12.5	16.0	13.0	15.0	13.0	1.1~1.	4.4
I	16	16.5	17.0	19.0	17.0	1.1~1.	6.4
J	18	16.5	19.0	21.0	19.0	1.1~1.	6.4

Fig. 1

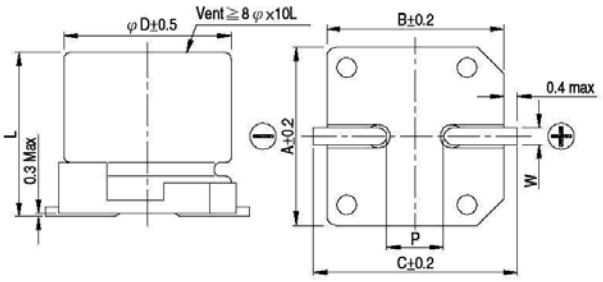
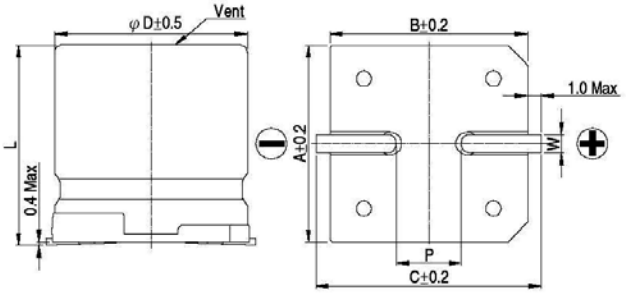


Fig. 2



Size A~F refer to Fig. 1

Size G~J refer to Fig. 2

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Case size & Maximum Ripple Current(mA rms 105℃ 100KHz) & Imp. (Ω 20℃ 100KHZ)

Cap. \ WV	6.3			10			16			25			35			50		
uF	Size	R.C.	Imp.	Size	R.C.	Imp.	Size	R.C.	Imp.	Size	R.C.	Imp.	Size	R.C.	Imp.	Size	R.C.	Imp.
1																A	60	2.9
2.2																A	60	2.9
3.3																A	60	2.9
4.7													A	80	1.35	B	85	1.52
10							A	80	1.35	A	80	1.35	B	150	0.76	C	165	0.88
22				A	80	1.80	B	150	0.76	B	150	0.76	B	150	0.76	C	165	0.88
33	A	80	1.35	B	150	0.76	C	230	0.44	C	230	0.44	C	230	0.44	C8	185	0.68
47	B	150	0.76	C	230	0.44	C	230	0.44	C	230	0.44	C	230	0.44	C8	185	0.68
100	C	230	0.44	C	230	0.44	C	230	0.44	C8	280	0.34	E	450	0.17	E	369	0.34
150	C	230	0.44	C	230	0.44	C8	280	0.36	E	450	0.17	E	450	0.17	F	553	0.18
220	C	230	0.44	C8	280	0.34	C8	280	0.34	E	450	0.17	E	450	0.17	F	670	0.18
330	C8	280	0.34	E	450	0.17	E	450	0.17	E	450	0.17	F	670	0.09	G	650	0.12
470	E	450	0.17	E	450	0.17	E	450	0.17	F	670	0.09	H	950	0.06	I	1000	0.073
680	E	450	0.17	F	670	0.09	F	670	0.09	G	820	0.07	H	950	0.06	I	1000	0.073
1000	E	450	0.17	F	670	0.09	G	820	0.07	H	950	0.06	I	1260	0.054	J	1500	0.066
1500	F	670	0.09	G	820	0.07	H	950	0.06	I	1260	0.054	J	1500	0.048			
2200	G	820	0.07	H	950	0.06	I	1260	0.054	I	1260	0.054						
3300	H	950	0.06	I	1260	0.054	I	1260	0.054	J	1500	0.048						
4700	I	1260	0.054	I	1260	0.054	J	1500	0.048									
6800	J	1500	0.048	J	1500	0.048												

Cap. \ WV	63			80			100		
uF	Size	R.C.	Imp.	Size	R.C.	Imp.	Size	R.C.	Imp.
4.7	B	70	1.90						
10	C	130	1.20						
22	C8	150	0.90	E	130	1.30	E	130	1.30
33	E	280	0.50	E	130	1.30	F	200	0.70
47	E	280	0.50	F	200	0.70	F	200	0.70
100	F	450	0.25	F	200	0.70	G	450	0.32
150	G	700	0.15	G	450	0.32	H	550	0.26
220	G	700	0.15	H	550	0.26	I	650	0.17
330	I	900	0.082	I	650	0.17	J	850	0.15
470	I	900	.0.082	J	850	0.15			
680	J	1150	0.080						