

CZ Series

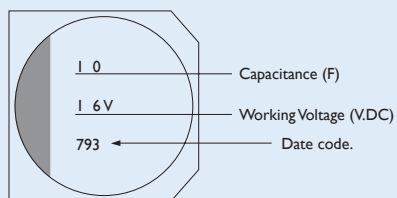
Surface Mount Aluminum Electrolytic

FEATURE

For Low esr Series with 105°C 1000 Hours

Suitable for AV (TV, Video, Audio), Monitor/Computer, Battery charger, DC/DC converter, SMPS, Noise filter

MARKING

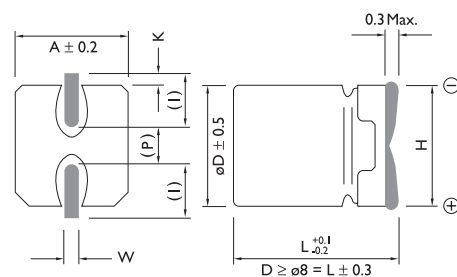


DIMENSIONS

SIZE CODE	D ϕ	L	A	H	I	W	P	K
B	4.0	5.4	4.3	5.5 Max.	1.8	0.65 $\pm$ 0.1	1.0 $\pm$ 0.2	0.35 $\pm$ 0.15
C	5.0	5.4	5.3	6.5 Max.	2.2	0.65 $\pm$ 0.1	1.5 $\pm$ 0.2	0.35 $\pm$ 0.15
D	6.3	5.4	6.6	7.8 Max.	2.6	0.65 $\pm$ 0.1	1.8 $\pm$ 0.2	0.35 $\pm$ 0.15
E	8.0	6.2	8.3	9.5 Max.	3.4	0.65 $\pm$ 0.1	2.2 $\pm$ 0.2	0.35 $\pm$ 0.15
F	8.0	10.2	8.3	10.0 Max.	3.4	0.90 $\pm$ 0.2	3.1 $\pm$ 0.2	0.70 $\pm$ 0.20
G	10.0	10.2	10.3	12.0 Max.	3.5	0.90 $\pm$ 0.2	4.6 $\pm$ 0.2	0.70 $\pm$ 0.20
H	6.3	7.7	6.6	7.8 Max.	2.6	0.65 $\pm$ 0.1	1.8 $\pm$ 0.2	0.35 $\pm$ 0.15



Unit : mm



() Reference Size



SPECIFICATION

ITEM	CHARACTERISTIC																															
Operation Temperature Range	-40 to +105°C																															
Rated Working Voltage Range	4 to 50V.DC																															
Rated Capacitqnce	Range = 0.1 ~ 1000μF																															
Capacitance Tolerance	±20% (120Hz / 20°C)																															
Leakage Current (25°C)	Polarized : I ≤ 0.01CV or 3 (μA) Whichever is greater after 2 minutes application of DC rated working voltage at 25°C. I : Leakage Current (μA) C : Rated Capacitance (μF) V :Working Voltage (V)																															
Low Temperature Stability	Impedance Ratio at 120Hz <table><tr><td>WV (V)</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Z(-25°C)/Z(+20°C)</td><td>4</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(-40°C)/Z(+20°C)</td><td>8</td><td>4</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td></tr></table>								WV (V)	4	6.3	10	16	25	35	50	Z(-25°C)/Z(+20°C)	4	2	2	2	2	2	2	Z(-40°C)/Z(+20°C)	8	4	4	3	3	3	3
WV (V)	4	6.3	10	16	25	35	50																									
Z(-25°C)/Z(+20°C)	4	2	2	2	2	2	2																									
Z(-40°C)/Z(+20°C)	8	4	4	3	3	3	3																									
Load Life	After 1000 hours application of WV at 105°C, the capacitor shall meet following limits. <table><tr><td>Capacitance Change</td><td>≤ ±20% of Initial Value</td></tr><tr><td>Dissipation Factor</td><td>≤ 200% of Initial Specified Value</td></tr><tr><td>Leakage Current</td><td>≤ Initial Specified Value</td></tr></table>								Capacitance Change	≤ ±20% of Initial Value	Dissipation Factor	≤ 200% of Initial Specified Value	Leakage Current	≤ Initial Specified Value																		
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Shelf Life	After placed at 105°C without voltage applied for 1000 hours,the capacitor shall meet the same requirement as Endurance.																															

CASE SIZE & MAX RIPPLE CURRENT

Max Ripple Current : (100KHz / 105°C)

POLARIZED

μF	4	6.3	10	16	25	35	50	60	75	100	150	220	330	470	1000
0.1															
0.22															
0.33															
0.47															
1															
2.2															
3.3															
4.7	4X5.4	60						4X5.4	60	4X5.4	60	4X5.4	60	5X5.4	95
6.8	4X5.4	60						4X5.4	60	4X5.4	60	5X5.4	95	6.3X5.4	140
10	4X5.4	60						4X5.4	60	5X5.4	95	5X5.4	95	6.3X5.4	140
22	4X5.4	60	4X5.4	60	5X5.4	95	5X5.4	95	6.3X5.4	140	6.3X5.4	140	8X6.2	230	
33	4X5.4	60	5X5.4	95	5X5.4	95	5X5.4	95	6.3X5.4	140	8X6.2	230	8X10.2	450	
47	4X5.4	60	5X5.4	95	6.3X5.4	95	6.3X5.4	140	6.3X5.4	140	6.3X7.7	200	10X10.2	670	
68	4X5.4	60	6.3X5.4	140	6.3X5.4	140	8X6.2	230	8X10.2	450	8X10.2	450	10X10.2	670	
100	5X5.4	95	6.3X5.4	140	6.3X5.4	140	8X6.2	230	8X10.2	450	10X10.2	670	10X10.2	670	
150	6.3X5.4	140	8X6.2	230	8X6.2	230	10X10.2	450	10X10.2	670	10X10.2	670			
220	6.3X5.4	140	8X6.2	230	8X6.2	230	10X10.2	450	10X10.2	670	10X10.2	670			
330			8X10.2	450	8X10.2	450	10X10.2	670							
470			10X10.2	670	10X10.2	670	10X10.2	670							
1000			10X10.2	670	10X10.2	670									

Note: *1.D x L: mm

*2.Ripple Current : (mA/rms 105°C / 100KHz), ESR (Ω Max20°C / 100KHz)