

AJZ Series

Features

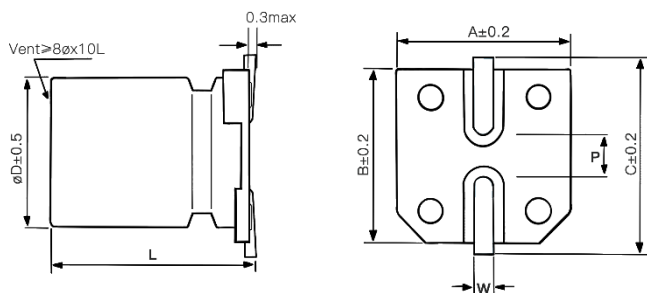
- $\phi 5 \sim \phi 10$, 105°C, 7000 hours assured
- Low impedance capacitors , Long life assured
- Designed for reflow soldering
- Designed for surface mounting on high-density PCB
- RoHS 2.0 compliant, 247 REACH&SVHC compliant
- AEC-Q200 compliant, Please contact Jarson for more details, test data, information



Marking color: Black

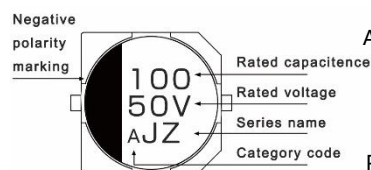
Specifications								
Category temp. range	-25℃ ~ +105℃							
Capacitance tolerance	±20% (120 Hz / +20 ℃)							
Leakage current	I ≤ 0.01 CV or 3 μA whichever is greater (after 2 minutes)							
Tan δ	Please see the attached characteristics list							
Characteristics at low temperature	Rated voltage (V)	6.3	10	16	25	35	50	Impedance ratio at 120 Hz
	Z (-25 ℃) / Z (+20 ℃)	4	3	2	2	2	2	
Endurance	After applying rated working voltage for 7000 hours at +105 ℃ ± 2 ℃, and then being stabilized at +20 ℃, capacitors shall meet the following limits.							
	Capacitance change	Within ±30% of the initial value						
	Dissipation factor (tan δ)	Less than 300% of the initial value						
	Leakage current	Within the initial limit						
Shelf life	After storage for 1000 h at +105 ℃ ± 2 ℃ with no voltage applied and then being stabilized at +20 ℃, capacitors shall meet the limits specified in endurance.							
Resistance to soldering heat	After reflow soldering and then being stabilized at +20 ℃, capacitors shall meet the following limits.							
	Capacitance change	Within ±10% of the initial value						
	Dissipation factor (tan δ)	Within the initial limit						
	Leakage current	Within the initial limit						
Frequency correction factor for ripple current	Frequency	50Hz	120Hz		1kHz		10kHz≤	
	Correction Factor	0.35	0.5		0.8		1.0	

Dimensions:



Dimensions							Unit: mm
ϕD	L	A	B	C	W	$P \pm 0.2$	
5	7 ± 0.3	5.3	5.3	6.1	0.5~0.8	1.4	
6.3	7 ± 0.3	6.6	6.6	7.3	0.5~0.8	2.0	
6.3	8.7 ± 0.3	6.6	6.6	7.3	0.5~0.8	2.0	
8	10.5 ± 0.5	8.3	8.3	9.1	0.7~1.3	3.1	
10	10.5 ± 0.5	10.3	10.3	11.1	0.7~1.3	4.4	

Marking:



Part Number System:

Aluminum E-Caps	JZ series	16V	100 μF	±20 %	6.3 ϕ x7L
A	JZ	1C	101	M	0607
Product category	Series name	Rated voltage	Capacitance	Capacitance tolerance	Case Size

Characteristics list

Rated voltage (V)	Capacitance (±20%) (μF)	Case size		Specification			Part Number④	Taping&Reel
		øD (mm)	L (mm)	Rated ripple current① (mA rms)	Imp.② (Ω)	tan δ③		MPQ (pcs/reel)
6.3	47	5	7	95	2.2	0.32	AJZ0J470M0507	1000
	100	6.3	7	140	1.1	0.32	AJZ0J101M0607	1000
	220	6.3	8.7	230	1.0	0.32	AJZ0J221M0608	800
	330	6.3	8.7	230	1.0	0.32	AJZ0J331M0608	800
	470	8	10.5	600	0.22	0.32	AJZ0J471M0810	500
10	33	5	7	95	2.2	0.28	AJZ1A330M0507	1000
	150	6.3	7	140	1.1	0.28	AJZ1A151M0607	1000
16	22	5	7	95	2.2	0.26	AJZ1C220M0507	1000
	47	6.3	7	140	1.1	0.26	AJZ1C470M0607	1000
	100	6.3	7	140	1.1	0.26	AJZ1C101M0607	1000
	150	6.3	8.7	230	1.0	0.26	AJZ1C151M0608	800
	220	6.3	8.7	230	1.0	0.26	AJZ1C221M0608	800
	330	8	10.5	600	0.22	0.26	AJZ1C331M0810	500
	470	8	10.5	600	0.22	0.26	AJZ1C471M0810	500
25	22	5	7	95	2.2	0.16	AJZ1E220M0507	1000
	33	6.3	7	140	1.1	0.16	AJZ1E330M0607	1000
	47	6.3	7	140	1.1	0.16	AJZ1E470M0607	1000
	100	6.3	8.7	230	1.0	0.16	AJZ1E101M0608	800
	220	8	10.5	600	0.22	0.16	AJZ1E221M0810	500
	330	8	10.5	600	0.22	0.16	AJZ1E331M0810	500
	470	10	10.5	850	0.16	0.16	AJZ1E471M1010	500
35	10	5	7	95	2.2	0.14	AJZ1V100M0507	1000
	22	5	7	95	2.2	0.14	AJZ1V220M0507	1000
	33	6.3	8.7	230	1.0	0.14	AJZ1V330M0608	800
	47	6.3	8.7	230	1.0	0.14	AJZ1V470M0608	800
	220	8	10.5	600	0.22	0.14	AJZ1V221M0810	500
	330	10	10.5	850	0.16	0.14	AJZ1V331M1010	500
50	47	8	10.5	350	0.53	0.14	AJZ1H470M0810	500
	100	8	10.5	350	0.53	0.14	AJZ1H101M0810	500
	220	10	10.5	670	0.35	0.14	AJZ1H221M1010	500

① Rated ripple current (100kHz / +105°C) ② Impedance (100kHz / +20°C) ③ tan δ (120Hz / +20°C)

④ For automotive, the Part Number is appended with "a" at the end.

※Please refer to the page of reflow conditions for reflow profile.