ACZ

+105°C Very Low Impedance Surface Mount Aluminum Electrolytic Capacitors

Features

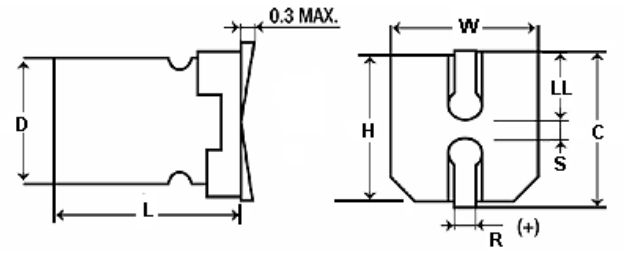
- Standard case sizes
- Low impedance (Lower than AXZ series)
- Lead Free Leads
- Extended life

Applications

- Bypass
- Coupling
- filtering
- De-Coupling

Specifications

Operating Temperature Range		**-55°C to +105°C**						
Capacitance Tolerance		**±20% at 120 Hz, 20°C**						
Surge voltage	**WVDC**	**6.3**	**10**	**16**	**25**	**35**	**50**	
	SVDC	7.9	13	20	32	44	63	
Dissipation Factor	**WVDC**	**6.3**	**10**	**16**	**25**	**35**	**50**	
	Tan δ	.24	.19	.16	.14	.12	.12	
Leakage current		**2 Minutes**						
		.01CV or 3uA,Whichever is greater						
Low temperature stability Impedance ratio (120 Hz)	**Rated WVDC**	**6.3**	**10**	**16**	**25**	**35**	**50**	
	-25°C to +20°C	3	2	2	2	2	2	
	-40°C to +20°C	5	4	4	3	3	3	
Load Life		**2000 hours(D≤6.3mm,1000 Hrs.) at 105°C with rated WVDC and ripple current applied**						
	Capacitance change	≤25% of initial measured value						
	Dissipation factor	≤200% of maximum specified value						
	Leakage current	≥100% of maximum specified value						
Shelf Life		**1000 hours at 85°C with no voltage applied**						
	Capacitance change	≤25% of initial measured value						
	Dissipation factor	≤200% of maximum specified value						
	Leakage current	≥100% of maximum specified value						
Resistance to soldering heat		**Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminations facing downward will fulfill the following conditions after being cooled to room temperature**						
	Capacitance change	<10% of initial measured value						
	Dissipation factor	<100% of maximum specified value						
	Leakage current	>100% of maximum specified value						
Ripple Current Multipliers		**Frequency (Hz)**				**Temperature (°C)**		
		50	**120**	**1k**	**100k**	**105C**	**85**	**65**
		.45	.5	.83	1.0	1.0	1.7	2.1



D	L	W±0.2	H±0.2	C±0.2	R	S±0.2
5	5.8 +0.1/-0.2	5.3	5.3	6.0	0.5~0.8	1.4
6.3	5.4 +0.1/-0.2	6.6	6.6	7.3	0.5~0.8	2.2
6.3	5.8 +0.1/-0.2	6.6	6.6	7.3	0.5~0.8	2.2
6.3	7.7 +0.1/-0.2	6.6	6.6	7.3	0.5~0.8	2.2
8	6.2 +0.1/-0.2	8.3	8.3	9.0	0.7~1.0	3.2
8	10.2+0.1/-0.2	8.3	8.3	9.0	0.7~1.0	3.2
10	10.2+0.1/-0.2	10	10	11.0	0.7~1.0	4.6

ILLINOIS CAPACITOR, INC.

3757 W. Touhy Ave., Lincolnwood, Il 60712 ● (847)675-1760● Fax (847) 675-2850 ● www.illcap.com

ACZ

+105°C, Lower Impedance
1000 to 2000 hours

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Impedance Ω +20°C/-10°C 100kHz	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
10	35	106ACZ035M	19.8944	0.7	170	5x5.4
10	50	106ACZ050M	19.8944	0.52	215	6.3x5.4
15	35	156ACZ035M	13.2629	0.7	170	5x5.4
15	50	156ACZ050M	13.2629	0.52	215	6.3x5.4
22	35	226ACZ035M	9.04289	0.7	170	5x5.4
22	50	226ACZ050M	9.04289	0.52	215	6.3x5.4
27	16	276ACZ016M	9.8244	0.76	150	5x5.4
27	35	276ACZ035M	7.3683	0.39	250	6.3x5.4
27	50	276ACZ050M	7.368	0.44	243	6.3x7.7
33	10	336ACZ010M	9.5453	0.7	170	5x5.4
33	35	336ACZ035M	6.0286	0.39	240	6.3x5.4
33	50	336ACZ050M	6.0286	0.66	280	6.3x7.7
33	50	336ACZ050MJG	6.0286	0.63	300	8x6.2
47	6.3	476ACZ6R3M	8.466	0.7	170	5x5.4
47	35	476ACZ035M	4.23284	0.39	240	6.3x5.4
47	50	476ACZ050MJG	4.2328	0.63	300	8x6.2
47	50	476ACZ050M	4.2328	0.66	280	6.3x7.7
56	6.3	566ACZ6R3M	7.1051	0.7	170	5x5.4
56	25	566ACZ025M	4.14466	0.39	250	6.3x5.4
56	35	566ACZ035M	3.55	0.3	300	6.3x7.7
68	25	686ACZ025M	3.413	0.39	240	6.3x5.4
68	35	686ACZ035M	2.926	0.32	290	6.3x7.7
68	50	686ACZ050M	2.926	0.22	400	8x10.5
100	16	107ACZ016M	2.653	0.39	240	6.3x5.4
100	25	107ACZ025MJG	1.9894	0.32	300	8x6.2

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Impedance Ω +20°C/-10°C 100kHz	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
100	25	107ACZ025M	2.321	0.36	290	6.3x7.7
100	50	107ACZ050M	1.9894	0.22	400	8x10.5
100	50	107ACZ050MLL	1.9894	0.16	700	10x10.5
150	10	157ACZ010M	2.1	0.39	240	6.3x5.4
150	16	157ACZ016M	1.768	0.32	290	6.3x7.7
150	25	157ACZ025M	1.547	0.15	600	8x10.2
150	35	157ACZ035M	1.326	0.15	600	8x10.2
150	50	157ACZ050M	1.3268	0.16	600	8x10.5
220	6.3	227ACZ6R3M	1.809	0.39	240	6.3x5.4
220	16	227ACZ016M	1.206	0.32	290	6.3x7.7
220	16	227ACZ016MJG	1.206	0.26	300	8x6.2
220	35	227ACZ035MLL	0.9043	0.08	850	10x10.2
220	35	227ACZ035M	0.9043	0.16	600	8x10.5
220	50	227ACZ050M	0.9043	0.13	585	10x10.2
330	6.3	337ACZ6R3M	1.206	0.32	290	6.3x7.7
330	6.3	337ACZ6R3MJG	1.206	0.23	300	8x6.2
330	25	337ACZ025M	0.7033	0.16	600	8x10.5
330	35	337ACZ035M	0.603	0.08	850	10x10.2
470	16	477ACZ016M	0.5644	0.16	600	8x10.5
470	16	477ACZ016MLL	0.5644	0.08	850	10x10.5
470	25	477ACZ025M	0.4938	0.08	850	10x10.2
680	6.3	687ACZ6R3M	0.585	0.15	600	8x10.5
1000	6.3	108ACZ6R3M	0.398	0.16	600	8x10.5
1000	10	108ACZ010M	0.315	0.08	850	10x10.2
1500	6.3	158ACZ6R3M	0.2653	0.08	850	10x10.5

ILLINOIS CAPACITOR, INC.
Your Global Source for World-Class Capacitors

North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk