AXZ

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

NEW!

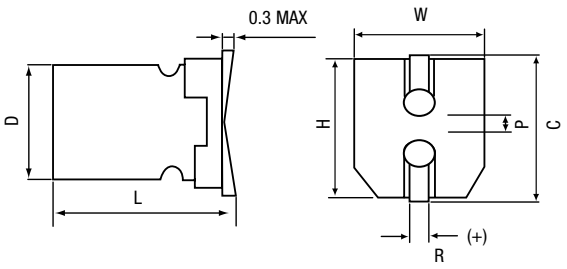
FEATURES

- *Wide Capacitance Range 4.7 to 1,500 µF*
- *Solvent Proof*
- *Low Impedance*
- *Operating Voltage Range: 6.3WVDC to 35WVDC*
- *Extended Life*

SPECIFICATIONS

Capacitance Tolerance		**±20% at 120Hz, 20°C**					
Operating Temperature Range		**-55°C to +105°C**					
Dissipation Factor 120Hz, 20°C (Max) tan δ	**WVDC**	6.3	10	16	25	35	
	D=3	.30	-	.19	.16	.14	
	D=4~6.3	.26	.20	.16	.14	.12	
	D=8,10	.30	.24	.20	.16	.14	
Note: For above D.F. specifications, add .02 for every 1000 µf above 1000 µf							
Leakage current	**Time**	2 minutes					
	L.C.	.01 CV or 3µA, whichever is greater					
Impedance Ratio at Low Temperature (120Hz)	**-25°C/20°C**	3	2	2	2	2	
	-40°C/20°C	5	4	4	3	3	
Load Life	2,000 hours at 105°C with rated voltage (D 6.3, 1000hrs.)						
	Capacitance change Dissipation factor Leakage current	25% of initial measured values 200% initial specified value 100% Initial specified value					
Shelf Life	1000 hours at 105°C with no applied voltage.						
Resistance to Soldering Heat	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the folowing conditions after being cooled to room temperature.						
	Capacitance change Dissipation factor Leakage current	10% of the initial measured value The initial specified value The Initial specified value					

DIMENSIONS



$D_{+0.5\ MAX}$	L	$W_{\pm0.2}$	$H_{\pm0.2}$	$C_{\pm0.2}$	R	$P_{\pm0.2}$
4	6.0 $_{+0.1/-0.2}$	4.3	4.3	5.0	0.5~0.8	1.0
5	6.0 $_{+0.1/-0.2}$	5.3	5.3	6.0	0.5~0.8	1.4
6.3	6.0 $_{+0.3\ MAX}$	6.6	6.6	7.3	0.5~0.8	2.2
6.3	7.7 $_{+0.3\ MAX}$	6.6	6.6	7.3	0.5~0.8	2.2
8	10.2 $_{+0.3\ MAX}$	8.3	8.3	9.0	0.7~1.0	3.2
10	7.7 $_{+0.3\ MAX}$	10.3	10.3	11.0	0.7~1.0	4.6
10	10.2 $_{+0.3\ MAX}$	10.3	10.3	11.0	0.7~1.0	4.6

(mm)

ILLINOIS CAPACITOR, INC. 3757 W. Touhy Ave., Lincolnwood, IL 60712 • (847) 675-1760 • Fax (847) 673-2850 • www.illcap.com

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STANDARD PART LISTING

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum E.S.R. Ω 120Hz, +20°C	Impedance Ω at 100kHz +20°C	Maximum RMS Ripple Current (mA) at 100 kHz, +105°C	Dimensions Dx L (mm)
4.7	35	**475AXZ035M**	42.33	1.8	80	4x6
10	25	**106AXZ025M**	23.21	1.8	80	4x6
10	35	**106AXZ035M**	19.89	.76	150	5x6
15	16	**156AXZ016M**	17.68	1.8	80	4x6
15	35	**156AXZ035M**	13.26	.76	150	5x6
22	10	**226AXZ010M**	15.07	1.8	80	4x6
22	35	**226AXZ035M**	9.04	.76	150	5x6
33	10	**336AXZ010M**	10.05	.76	150	5x6
33	35	**336AXZ035M**	6.03	.44	230	6.3x6
47	6.3	**476AXZ6R3M**	8.47	.76	150	5x6
47	35	**476AXZ035M**	4.23	.44	230	6.3x6
56	6.3	**566AXZ6R3M**	7.11	.76	150	5x6
56	25	**566AXZ025M**	4.15	.44	230	6.3x6
68	25	**686AXZ025M**	3.41	.44	230	6.3x6
68	35	**686AXZ035M**	2.93	.34	280	6.3x7.7
100	16	**107AXZ016M**	2.65	.44	230	6.3x6
100	25	**107AXZ025M**	2.32	.34	290	6.3x7.7
150	10	**157AXZ010M**	2.21	.44	230	6.3x6
150	16	**157AXZ016M**	1.77	.34	280	6.3x7.7

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum E.S.R. Ω 120Hz, +20°C	Impedance Ω at 100kHz +20°C	Maximum RMS Ripple Current (mA) at 100 kHz, +105°C	Dimensions Dx L (mm)
150	35	**157AXZ035MD8**	1.55	.17	450	8x10.2
150	35	**157AXZ035M**	1.55	.17	450	10x7.7
220	6.3	**227AXZ6R3M**	1.81	.44	230	6.3x6
220	16	**227AXZ016M**	1.206	.34	280	6.3x7.7
220	25	**227AXZ025M**	1.206	.17	450	10x7.7
220	35	**227AXZ035M**	1.06	.17	450	8x10.2
330	6.3	**337AXZ6R3M**	1.206	.34	280	6.3x7.7
330	16	**337AXZ016M**	1.01	.17	450	10x7.7
330	25	**337AXZ025M**	0.804	.17	450	8x10.2
330	35	**337AXZ035M**	0.703	.09	670	10x10.2
470	10	**477AXZ010M**	0.847	.17	450	10x7.7
470	16	**477AXZ016M**	0.706	.17	450	8x10.2
470	25	**477AXZ025M**	0.564	.09	670	10x10.2
680	6.3	**687AXZ6R3M**	0.683	.17	450	10x7.7
680	6.3	**687AXZ6R3MD8**	0.683	.17	450	8x10.2
680	16	**687AXZ016M**	0.488	.09	670	10x10.2
1000	6.3	**108AXZ6R3M**	0.464	.17	450	8x10.2
1000	10	**108AXZ010M**	0.398	.09	670	10x10.2
1500	6.3	**158AXZ6R3M**	0.31	.09	670	10x10.2

PHYSICAL DIMENSIONS

WVDC (SV) / (µF)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)
4.7					4x6
10				4x6	5x6
15			4x6		5x6
22		4x6			5x6
33		5x6			6.3x6
47	5x6				6.3x6
56	5x6			6.3x6	
68				6.3x6	6.3x7.7
100			6.3x6	6.3x7.7	
150		6.3x6	6.3x7.7		8x10.2
150					10x7.7
220	6.3x6		6.3x7.7	10x7.7	8x10.2
330	6.3x7.7		10x7.7	8x10.2	10x10.2
470		10x7.7	8x10.2	10x10.2	
680	10x7.7		10x10.2		
680	8x10.2				
1000	8x10.2	10x10.2			
1500	10x10.2				

DxL (mm)

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