

Screw Terminal Type(螺釘型), High Capacitance(大容量)

FEATURES

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SPECIFICATIONS

Item	Performance Characteristics									
Operating Temperature Range	-40 to +85℃									
Rated Working Voltage Range	250 to 450V									
Nominal Capacitance Range	220 to 22000μF									
Capacitance Tolerance	-10+50% (120Hz, +20℃)									
Leakage Current	Is≤6 √CV(μA) or 6(mA) max. whichever is smaller measured after 5 minutes application of rated working voltage at +20℃									
Low Temperature Characteristics	Impedance ratio max. at 120Hz									
	Working Voltage (V)	250~450								
	Z-25℃ / Z+20℃	3								
High Temperature Loading	Test conditions					Post test requirements at +20℃				
	The following specifications shall be satisfied when the capacitors are restored to +20℃ after the rated voltage with the rated ripple current applied for 2000 hours at +85℃.					Leakage current : ≤ Initial specified value Cap. change : within ±10% of initial measured value ESR : ≤ 200% initial specified value				
Shelf Life	At +85℃ no voltage applied after 500 hours and then being stabilized at +20℃ the capacitors shall meet the following limits									
	Leakage current : ≤200% of initial specified value Cap. change : within ±10% of initial measured value ESR : ≤175% of initial specified value									
Vibration	Potted: 10 to 55 Hz, 0.06" and 10g max, 1.5h ea. of 2 axis Rilled : 10 to 55 Hz, 0.06" and 15g max, 1.5h ea. of 2 axis									

PART NUMBER SYSTEM (EXAMPLE:400V1200 μ F)

1 2 3 4 5 6 7 8 9 10 11 12 13 14

E W U 128 T 2 G S 80 C M

Type (Terminal Code)
Case Length (80mm)
Diameter (51mm)
Voltage (400V)
Tolerance (-10 +50%)
Capacitance (1200μF)
Series
E-CAP

Terminal Code: CM=M5 Post

WU

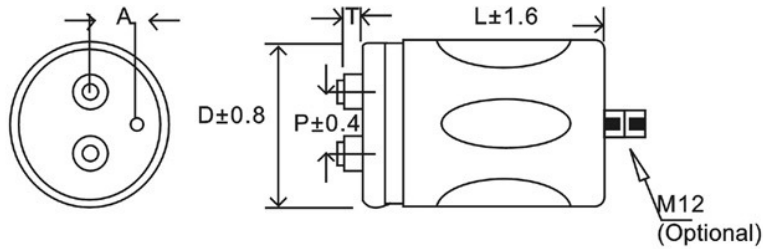
Large Can Aluminum Electrolytic Capacitors

WU Series

SAMXON®

Screw Terminal Type(螺釘型), High Capacitance(大容量)

Outline Drawings



Unit:mm

Terminal Dimensions

Terminal Style	Code	Post Diameter	Post Height(T)	Thread	min Full Thread	For Case Diameters	Terminal Spacing(P)
M5 Post,Small	CM	8.0	7.1	M5	9.5	35	12.7
M5 Post,Small	CM	8.0	7.1	M5	9.5	51	22.2
M5 Post,Small	CM	8.0	7.1	M5	9.5	63.5	28.6
M5 Post,Small	CM	8.0	7.1	M5	9.5	76	31.8

Unit:mm

Can Dimensions Insulation Adders

	Diameter(D)mm	Length(L)mm	Standing Height(H)mm
0.2mm PVC	0.51	0.81	0.61
0.3mm PVC	0.63	1.58	1.14

STANDARD RATINGS

Voltage (Code)	Cap. (μ F)	Code	Case Size Φ DxL(mm)	ESR max 120Hz,25 °C(m Ω)	Ripple Current max 120Hz,85°C	
					potted(A)	rilled(A)
250V(2E) SV=300	680	687	35 x 55	120.0	2.3	2.6
	1200	128	35 x 80	76.0	2.3	2.6
	1800	188	35 x 105	53.0	4.4	4.9
	2700	278	51 x 80	67.0	4.0	4.4
	3900	398	51 x 105	27.0	7.0	7.9
	4700	478	51 x 120	23.0	8.1	9.0
	5600	568	51 x 145	20.0	9.1	10.0
	6800	688	63.5 x 105	24.0	8.8	10.0
	8200	828	63.5 x 120	19.0	9.7	11.0
	10000	109	63.5 x 145	17.0	12.6	14.0
	10000	109	76 x 105	25.0	9.7	11.0
	12000	129	76 x 120	22.0	10.6	12.0
	15000	159	76 x 145	19.0	12.5	14.0
	22000	229	76 x 220	16.0	15.8	17.0
350V(2V) SV=400	390	397	35 x 55	270.0	1.1	1.3
	680	687	35 x 80	163.0	2.2	2.5
	1000	108	35 x 105	112.0	3.0	3.3
	1500	158	51 x 80	105.0	3.6	3.9
	2200	228	51 x 105	55.0	5.0	5.6
	2700	278	51 x 120	44.0	6.3	7.0
	2700	278	63.5 x 105	54.0	5.8	6.6
	3300	338	51 x 145	37.0	7.3	8.0
	3900	398	63.5 x 120	37.0	7.7	8.7
	4700	478	63.5 x 145	33.0	8.6	9.6
	4700	478	76 x 105	33.0	8.4	9.6
	5600	568	76 x 120	33.0	8.8	10.0
	6800	688	76 x 145	28.0	9.8	11.0
	12000	129	76 x 220	18.0	16.7	18.0

Voltage (Code)	Cap. (μ F)	Code	Case Size Φ DxL(mm)	ESR max 120Hz,25 °C(m Ω)	Ripple Current max 120Hz,85°C	
					potted(A)	rilled(A)
400V(2G) SV=450	330	337	35 x 55	290.0	1.1	1.3
	560	567	35 x 80	190.0	1.9	2.1
	820	827	35 x 105	129.0	2.7	3.0
	1200	128	51 x 80	95.0	3.4	3.7
	1800	188	51 x 105	59.0	4.9	5.5
	2200	228	51 x 120	50.0	5.7	6.4
	2700	278	51 x 145	39.0	7.2	7.9
	2700	278	63.5 x 105	48.0	6.4	7.3
	3300	338	63.5 x 120	39.0	7.5	8.5
	3900	398	63.5 x 145	37.0	8.5	9.4
	3900	398	76 x 105	37.0	8.3	9.4
	4700	478	76 x 120	34.0	8.8	10.0
	5600	568	76 x 145	28.0	9.8	11.0
	10000	109	76 x 220	18.0	16.7	18.0
450V(2W) SV=500	220	227	35 x 55	430.0	0.9	1.0
	390	397	35 x 80	310.0	1.6	1.8
	560	567	35 x 105	180.0	2.4	2.6
	820	827	51 x 80	145.0	2.7	3.0
	1200	128	51 x 105	85.0	4.1	4.6
	1500	158	51 x 120	71.0	4.8	5.3
	1800	188	51 x 145	60.0	5.4	5.9
	2200	228	63.5 x 105	53.0	5.9	6.7
	2700	278	63.5 x 120	45.0	6.8	7.7
	3300	338	63.5 x 145	35.0	8.6	9.5
	3300	338	76 x 105	35.0	8.3	9.5
	3900	398	76 x 120	36.0	8.7	9.8
	4700	478	76 x 145	31.0	9.8	11.0
	8200	828	76 x 220	23.0	13.0	14.0

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.